SERVICE BULLETIN

MITSUBISHI MOTORS

AFTERSALES SERVICE OFFICE, MITSUBISHI MOTORS CORPORATION

PURPOSE : INFORMATION	ISSUE NO. : MSB-08E11/15-001	DATE : 2008-11-20
SUBJECT : 6B3 ENGINE INLET MANIFOLD INSTALLATION		<MODEL> (EUR/RUSSIA) OUTLANDER (GS45X)(CW0W) <M/Y> 07–09
GROUP : ENGINE/INTAKE & EXHAUST		

1. Description:

In order to clarify the procedure for installing the inlet manifold of the 6B3 engine, the relevant installation service points are changed. This Service Bulletin contains the modified service points.

2. Applicable Manuals:

<EUR>

Manual	Pub. No.	Info-ID	Attachment
2007 OUTLANDER Workshop Manual	CGXE07E1-CD (English) CGXS07E1-CD (Spanish) CGXF07E1-CD (French) CGXG07E1-CD (German)	M113-02-610-41500-01	Attachment 1, 2
2008 OUTLANDER Workshop Manual	CGXE08E2-CD (English) CGXS0E2-CD (Spanish) CGXF08E2-CD (French) CGXG08E2-CD (German)	M115-10-030-02574-00	Attachment 3
		M113-02-610-41500-01	Attachment 1, 2
2009 OUTLANDER Workshop Manual	CGXE09E1-CD (English) CGXS09E1-CD (Spanish) CGXF09E1-CD (French) CGXG09E1-CD (German) CGXI09E1-CD (Italian)	M115-10-030-02574-00	Attachment 3
		M113-02-610-76100-01	Attachment 1, 2

<RUSSIA>

Underneath Manual	Underneath Pub. No.	Info-ID	Attachment
2007 OUTLANDER Workshop Manual	N/A	M113-02-610-41500-01	Attachment 1, 2
2008 OUTLANDER Workshop Manual	N/A	M115-10-030-02574-00	Attachment 3
		M113-02-610-41500-01	Attachment 1, 2
2009 OUTLANDER Workshop Manual	N/A	M115-10-030-02574-00	Attachment 3
		M113-02-610-76100-01	Attachment 1, 2

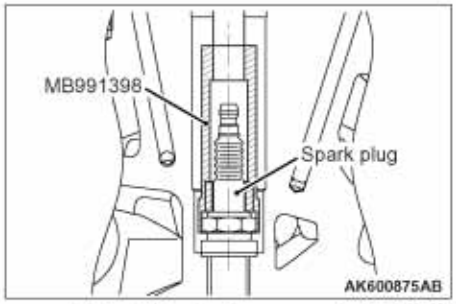
3. Details:

Attachment 1

ENGINE OVERHAUL
INLET MANIFOLD

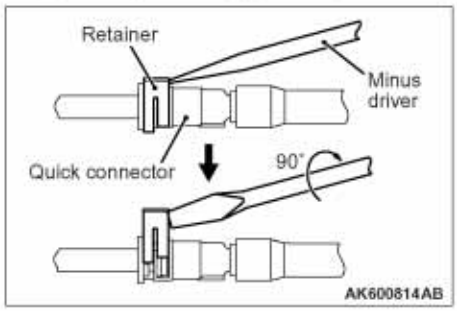
REMOVAL SERVICE POINT

<<A>> SPARK PLUG REMOVAL



Using special tool Spark plug wrench (MB991398), removal the spark plug.

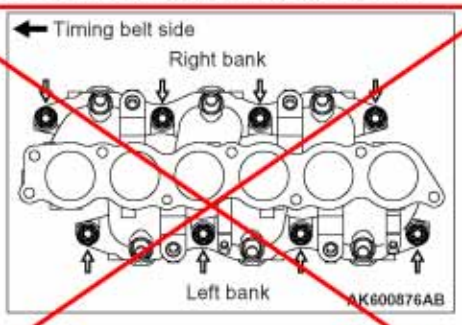
<<B>> FUEL HIGH PRESSURE TUBE REMOVAL



1. Insert a flathead screwdriver into the clearance between the quick connector and the retainer.
2. Rotate the flathead screwdriver 90°, hold up the retainer.
3. Remove the fuel high-pressure tube.

INSTALLATION SERVICE POINTS

>>A<< INLET MANIFOLD INSTALLATION



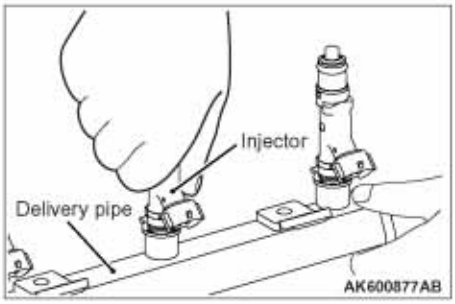
1. Tighten the nuts on the right bank to 7.0 ± 1.0 N·m.

<Incorrect>

2. Tighten the nuts on the left bank to the specified torque.
   Tightening torque: 22 ± 1 N·m
3. Tighten the nuts on the right bank to the specified torque.
   Tightening torque: 22 ± 1 N·m
4. Tighten the nuts on the left bank and those on the right bank again in that order.
   Tightening torque: 22 ± 1 N·m

<Incorrect>

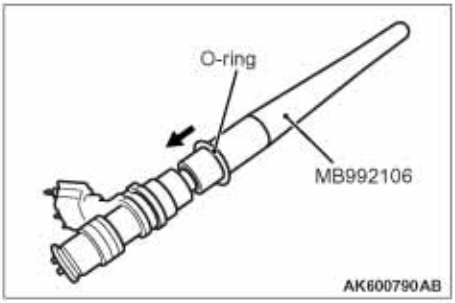
>>B<< INJECTOR INSTALLATION



⚠ CAUTION
Use care not to let engine oil enter the delivery pipe.

1. Apply clean engine oil to the O-ring.
2. Insert the injector into the delivery pipe.
3. Make sure the injector rotates smoothly. If not, remove the injector to check the O-ring for damage, and replace the O-ring if necessary. Then reinsert the injector and check that it rotates smoothly.

>>C<< O-RING INSTALLATION

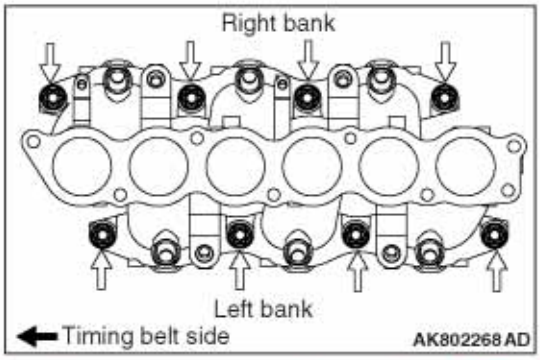


When inserting an O-ring into the injector on the injection nozzle side, use special tool O-ring installer (MB992106) to gradually expand the O-ring, and fit it in place.

This is replaced with Attachment 2.

Attachment 2

<Correct>



1. Tighten the nuts on the left bank to 6.5 ± 1.5 N·m.
2. Tighten the nuts on the right bank to the specified torque.
   Tightening torque : 22 ± 1 N·m
3. Tighten the nuts on the left bank to the specified torque.
   Tightening torque : 22 ± 1 N·m
4. Tighten the nuts on the right bank and those on the left bank again in that order.
   Tightening torque : 22 ± 1 N·m

Attachment 3

INSTALLATION SERVICE POINTS

>>A<< INLET MANIFOLD INSTALLATION

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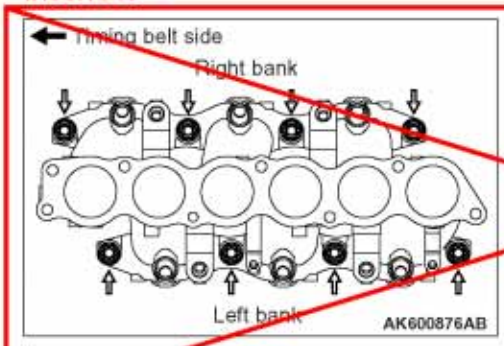
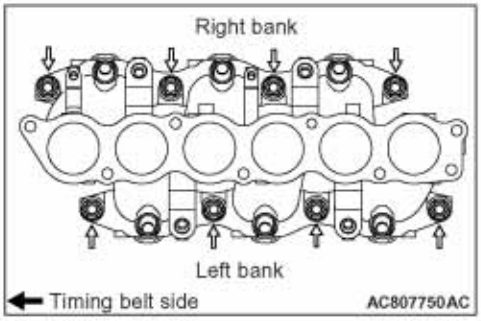


1. Coat the inlet manifold mounting studs with engine oil.
2. Tighten the inlet manifold mounting nuts by the following procedure.

Order	Mounting nuts	Tightening torque
1st	Right bank nuts	6.5 ± 1.5 N·m
2nd	Left bank nuts	22 ± 1 N·m
3rd	Right bank nuts	22 ± 1 N·m
4th	Left bank nuts	22 ± 1 N·m
5th	Right bank nuts	22 ± 1 N·m

<Correct>



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Order	Mounting nuts	Tightening torque
1st	Left bank nuts	6.5 ± 1.5 N·m
2nd	Right bank nuts	22 ± 1 N·m
3rd	Left bank nuts	22 ± 1 N·m
4th	Right bank nuts	22 ± 1 N·m
5th	Left bank nuts	22 ± 1 N·m