SERVICE BULLETIN

MITSUBISHI MOTORS

GLOBAL AFTER SALES OFFICE, MITSUBISHI MOTORS CORPORATION

PURPOSE : CHANGE	ISSUE NO. : MSB-13EXL11-003	DATE : 2013-08-26
SUBJECT : COMPRESSION PRESSURE CHECK		<Destination/Model> (EUR/MMAL/NZ) <M/Y> 14
GROUP : ENGINE MECHANICAL(Gr:11)		OUTLANDER PHEV(GF0W)

1. Description :

Please refer to the attached document for the information about the change of mention in the applicable service manual. (Change of the check method of the compression pressure)

2. Applicable service manual :

EU

Applicable manual	Pub No.	Applicable title (INFO ID)	Content
2014 OUTLANDER PHEV Workshop Manual	CGFE14E1-CD (Eng) CGFF14E1-CD (Fre) CGFG14E1-CD (Ger) CGFS14E1-CD (Spa) CGFI14E1-CD (Ita)	COMPRESSION PRESSURE CHECK (M111-00-264-25200-01)	Attached sheet 3

MMAL/NZ

Applicable manual	Pub No.	Applicable title (INFO ID)	Content
2014 OUTLANDER/ OUTLANDER PHEV Workshop Manual	AU900408 NZ:DRAFT	COMPRESSION PRESSURE CHECK (M111-00-264-30400-01)	Attached sheet 3

3. About the details :

Please refer to the attached document (Attached sheet 3)

4. Effective time : From the vehicle produced initially

Attached sheet 3

COMPRESSION PRESSURE CHECK

1. Before inspection, set the vehicle to the pre-inspection condition.
2. Disconnect the ignition coil connectors and then remove all of the ignition coils and spark plugs.

   NOTE: Do not disconnect the injector connectors.
3. Connect the ignition coil connectors.

⚠ CAUTION

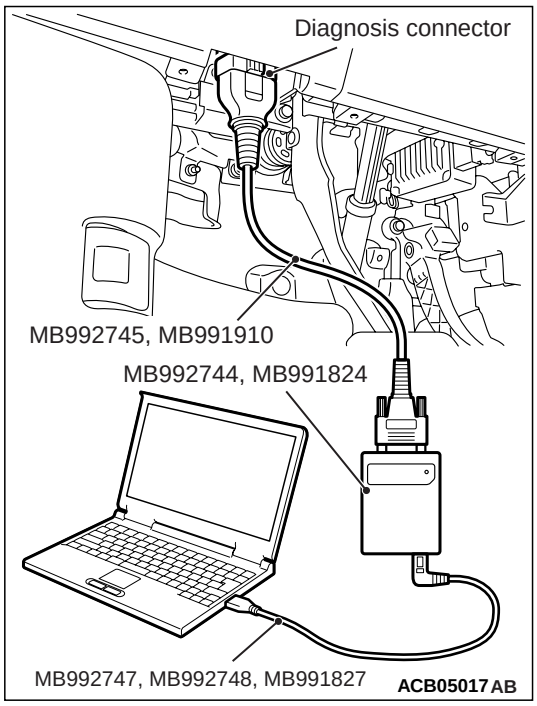
- **Keep away from the spark plug hole when cranking.**
- **If compression is measured with water, oil, fuel, etc., that has come from cracks inside the cylinder, these materials will become heated and will gush out from the spark plug hole, which is dangerous.**

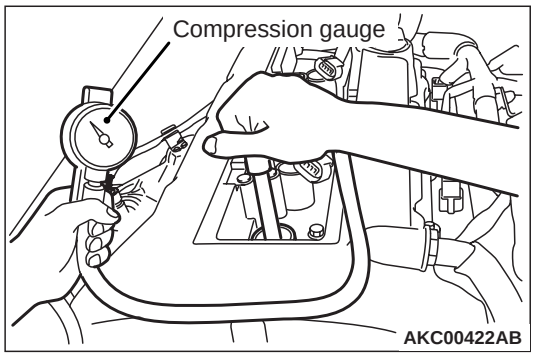
<Incorrect>

4. ~~Cover the spark plug hole with a shop towel etc.~~ Select item No. 4 (Engine compression measurement) from Test of PHEV-ECU special function on the M.U.T.-III. Crank the engine, and then check that no foreign material is adhering to the shop towel.

<Correct>

Illuminate the READY (ready to drive) indicator. Then cover the spark plug hole with a shop towel etc.





5. Set compression gauge to one of the spark plug holes.
6. Select item No. 4 (Engine compression measurement) from Test of PHEV-ECU special function on the M.U.T.-III and measure the compression pressure.

   Standard value (at engine speed of 300 r/min): 1,440 kPa

   Limit (at engine speed of 300 r/min): Minimum 1000 kPa
7. Measure the compression pressure for all the cylinders, and check that the pressure differences of the cylinders are below the limit.

   Limit: Maximum 98 kPa
8. If there is a cylinder with compression or a compression difference that is outside the limit, pour a small amount of engine oil through the spark plug hole, and repeat the operations in steps from 5 to 7.