MITSUBISHI MOTORS

SERVICE BULLETIN

GLOBAL AFTER SALES OFFICE, MITSUBISHI MOTORS CORPORATION

PURPOSE : CORRECTION	ISSUE NO. : MSB-12E54-502A	DATE : 2012-04-03
SUBJECT : CHARGING CABLE CHECK		<MODEL> (EUR) i-MiEV(HA3W) <M/Y> 11/12
GROUP : CHASSIS ELECTRICAL		

1. Description:

An incorrect information about the connection terminal of the special tool “electric insulation tester(MB9923559) has been found in the applicable Service Manual. This contains the corrected information.

2. Applicable Manual

Applicable manual	Pub. No.	Applicable title (INFO ID)	Description of content
2011 i-MiEV Workshop Manual	CHAE11E1-CD(Eng) CHAF11E1-CD(Fre) CHAG11E1-CD(Ger) CHAS11E1-CD(Spa) CHAI11E1-CD(Ita) A	CHARGING CABLE CHECK (M549-55-300-01800 -01)	Attached sheet 5
2012 i-MiEV Workshop Manual	CHAE12E1-CD(Eng) CHAF12E1-CD(Fre) CHAG12E1-CD(Ger) CHAS12E1-CD(Spa) CHAI12E1-CD(Ita)	CHARGING CABLE CHECK (M549-55-300-02900 -01)	Attached sheet 5

3.Details:

See Attached sheet 5

Attached sheet 5 (1/3)

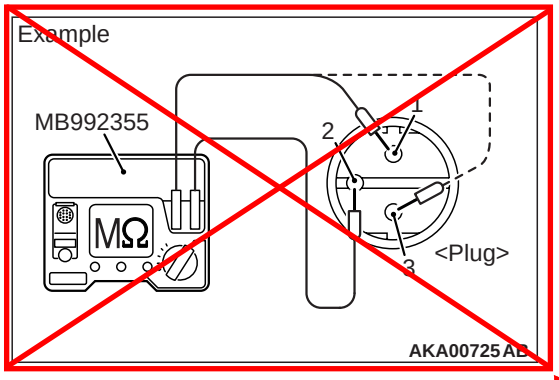
CHARGING CABLE CHECK

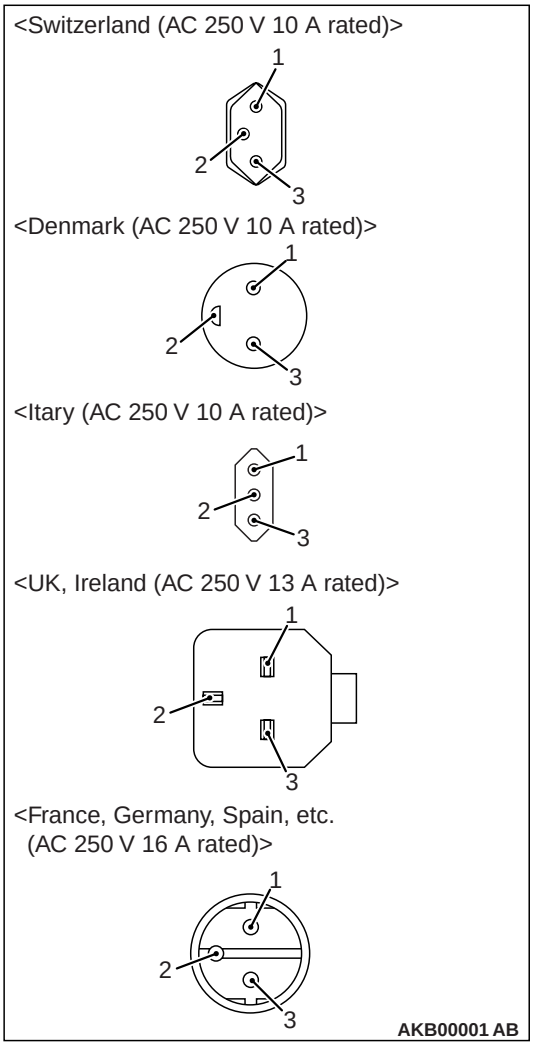
Visual check

1. Check that the cable, the regular charging plug and the plug do not have damage, corrosion or rust. If they have damage, corrosion or rust, replace the charging cable.

Attached sheet 5 (2/3)

<Incorrect>





Check on insulation resistance

CAUTION

When the insulation resistance is measured, set the range of the special tool electric insulation tester (MB992355) to 500 V. When the insulation resistance is measured at the range more than 500 V, the component may be damaged.

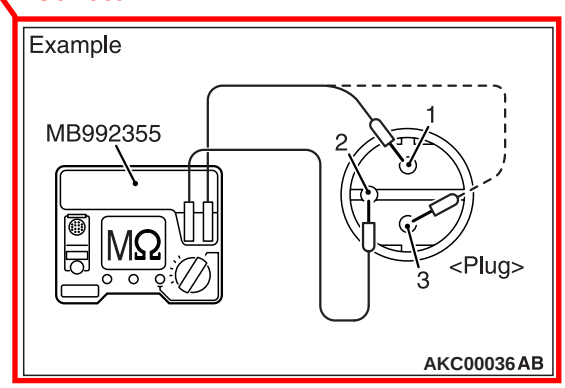
1. Use the special tool electric insulation tester (MB992355) to measure the insulation resistance at the plug side with the range of 500 V.

   NOTE: The plug shape is different depending on the country. Perform the check according to the specification of each country, referring to the illustration.

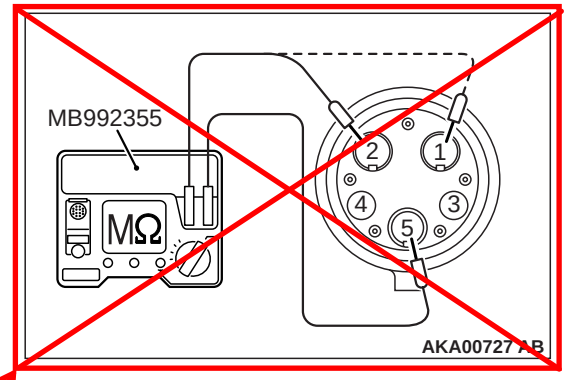
Standard value:

Tester connection terminal	Standard value
1 – 2	1 MΩ or more
2 – 3	1 MΩ or more

<Correct>



Attached sheet 5 (3/3)



<Incorrect>

2. Use the special tool electric insulation tester (MB992355) to measure the insulation resistance at the regular charging plug side with the range of 500 V.

Standard value:

Tester connection terminal	Standard value
1 – 5	1 MΩ or more
2 – 5	1 MΩ or more

3. If the resistance deviates from the standard value, replace the charging cable.

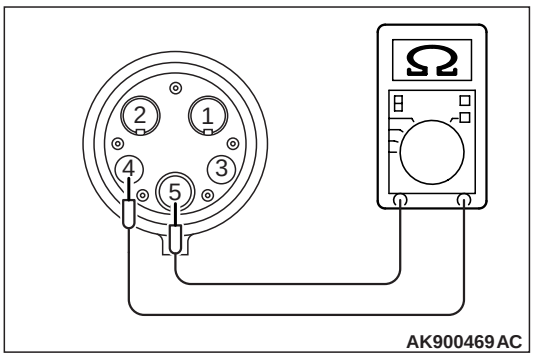
Check on regular charging plug built-in switch

1. Measure the resistance between the regular charging plug terminal No. 4 and the terminal No. 5.

standard value:

Regular charging plug release button	Normal condition
Without pressing release button	135 – 145 Ω (at 20°C)
With pressing release button	432 – 528 Ω (at 20°C)

2. If the resistance deviates from the standard value, replace the charging cable.

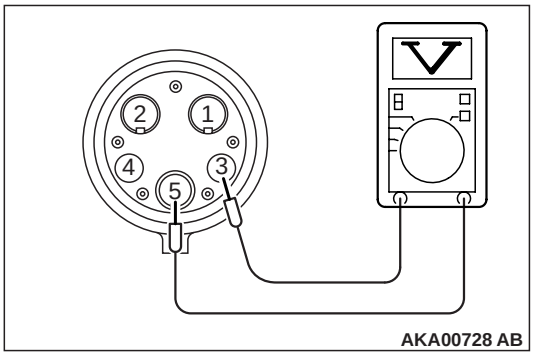


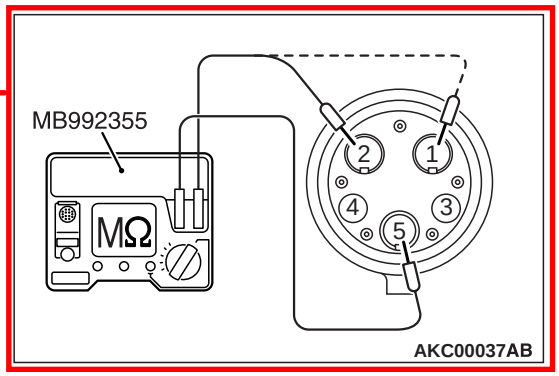
Check pilot signal terminal

1. Connect the charging cable with a home socket.
2. Use the analogue voltmeter from the regular charging plug side to connect the pilot signal terminal between the terminal No. 3 and the terminal No. 5. Measure the output voltage.

   Standard value: approximately 12 V

3. If the voltage deviates from the standard value, replace the charging cable.





<Correct>