SERVICE BULLETIN

MITSUBISHI MOTORS

GLOBAL AFTER SALES OFFICE, MITSUBISHI MOTORS CORPORATION

PURPOSE : CHANGE	ISSUE NO. : MSB-14EXL54-003	DATE : 2014-09-22
SUBJECT : The cause of trouble and its solution about the error code "ERROR DC" has been changed		<DESTINATION/MODEL> (As per attached sheet 1) <M/Y> 8-13
GROUP : Gr:54(Chassis Electrical)		PAJERO/MONTERO(V80/90)

1. Description :

Please refer to the attached document for the information about the change of mention in the applicable service manual.

2. Affected service manuals :

Please refer to the attached document (Attached sheet 1)

3. About the details :

Please refer to the attached document (Attached sheet 3)

<FOR OVERSEAS NARKET>

EU/RUSSIA

Applicable manual	Pub. No.	Applicable title (INFO ID)	Contents
2008 PAJERO/MONTERO Workshop Manual	CBKE08E1-CD (Eng) CBKF08E1-CD (Fre) CBKG08E1-CD (Ger) CBKS08E1-CD (Spa) RUSSIA:N/A	Introduction to audio system diagnosis (M544-00-470-31600-01)	Attached sheet 3(1/4)
2009 PAJERO/MONTERO Workshop Manual 2009.5 PAJERO/MONTERO Workshop Manual	CBKE09E2-CD (Eng) CBKF09E2-CD (Fre) CBKG09E2-CD (Ger) CBKS09E2-CD (Spa) CBKI09E2-CD (Ita) RUSSIA:N/A		
2010 PAJERO/MONTERO Workshop Manual	CBKE10E1-CD (Eng) CBKF10E1-CD (Fre) CBKG10E1-CD (Ger) CBKS10E1-CD (Spa) CBKI10E1-CD (Ita) RUSSIA:N/A	Introduction to audio system diagnosis (M544-00-470-64000-01)	Attached sheet 3(2/4)
2011 PAJERO/MONTERO Workshop Manual	CBKE11E1-CD (Eng) CBKF11E1-CD (Fre) CBKG11E1-CD (Ger) CBKS11E1-CD (Spa) CBKI11E1-CD (Ita) RUSSIA:N/A		
2012 PAJERO/MONTERO Workshop Manual	CBKE12E1-CD (Eng) CBKF12E1-CD (Fre) CBKG12E1-CD (Ger) CBKS12E1-CD (Spa) CBKI12E1-CD (Ita) RUSSIA:N/A		
2013 PAJERO/MONTERO Workshop Manual	CVWE13E1-CD (Eng) CVWF13E1-CD (Fre) CVWG13E1-CD (Ger) CVWS13E1-CD (Spa) CVWI13E1-CD (Ita) RUSSIA:N/A		

EXP/GCC

Applicable manual	Pub. No.	Applicable title (INFO ID)	Contents
2008 PAJERO/MONTERO Workshop Manual	PWJE0709R (Eng) PWJS0710R (Spa)	Introduction to audio system diagnosis (M544-00-470-22000-01)	Attached sheet 3(1/4)
2009 PAJERO/MONTERO Workshop Manual	PWJE0812R (Eng) PWJS0813R (Spa)		
2010 PAJERO/MONTERO Workshop Manual	PWJE0908R (Eng) PWJS0909R (Spa)	Introduction to audio system diagnosis (M544-00-470-63900-01)	Attached sheet 3(3/4)

MMAL/NZ

Applicable manual	Pub. No.	Applicable title (INFO ID)	Contents
2008 PAJERO Workshop Manual	MR936455 NZ:DRAFT	Introduction to audio system diagnosis (M544-00-470-28600-01)	Attached sheet 3(1/4)
2009 PAJERO Workshop Manual	MR936637 NZ:DRAFT		
2010 PAJERO Workshop Manual	MR936976 NZ:DRAFT	Introduction to audio system diagnosis (M544-00-470-68400-01)	Attached sheet 3(2/4)

CHINA

Applicable manual	Pub. No.	Applicable title (INFO ID)	Content
2008 PAJERO Workshop Manual	DRAFT	Introduction to audio system diagnosis (M544-00-470-42400-01)	Attached sheet 3(4/4)

Attached sheet 3(1/4)

Error code	Cause	Cause of trouble and its solution
ERROR 01	Focus error	These error codes will be shown if there is any problem with the CD or there is excessive vibration on the vehicle. If the error codes are not displayed when the vehicle is stopped and another CD is inserted, there is a problem with the CD. Check if there is any of the following problems with the CD. • Contamination, scratch, or deformation • Formation of moisture or grease Repair the CD and insert it again. Then, check that no error appears.
ERROR 02	Abnormal disc	
ERROR 03	Mechanical error	This error codes will be shown if there is any internal mechanical or electrical problem in the radio and CD player or CD changer. Replace the radio and CD player or CD changer check that no error codes are shown.
ERROR HOT	Protection against high temperature	If the internal temperature is extremely high, this error code will be shown. Turn off the radio and CD player or CD changer and wait until they cool down. Wait for a while, and then turn on the unit again. Check that the same error does not appear.
ERROR DC	Detection abnormal output to the speaker	<Old> ~~This error code will be shown if the radio and CD player or CD changer, or the audio amplifier has an internal error or is contaminated with the foreign material, and there is a problem with output to the speaker. If it is contaminated with the foreign material, turn the power off. Dry the foreign material if it is liquid, and remove it if it is solid. Then, check if the error code is displayed. If the error code is displayed, replace the radio and CD player or CD changer, or the audio amplifier.~~

STANDARD FLOW OF DIAGNOSTIC TROUBLESHOOTING

M1544004800700

Refer to GROUP 00 – Troubleshooting contents .

TROUBLE SYMPTOM CHART

M1544004901960

Inspection procedure No.	Trouble symptom		Reference page
1	Power of radio and CD player or CD changer does not turn ON when the ignition switch is in the "ACC" position or "ON" position.		
2	No sound is heard.	<vehicles with audio amplifier: Short wheelbase>	
		<vehicles with audio amplifier: Long wheelbase>	
3	No sound is heard from one of the speakers.	<vehicles without audio amplifier>	
		<vehicles with audio amplifier: Short wheelbase>	
		<vehicles with audio amplifier: Long wheelbase>	

<New>
This error code will be shown if the radio and CD player or CD changer, or the audio amplifier has an internal malfunction (contaminated with the foreign material) or the speaker wiring harness is short-circuited, and abnormal signal is sent to the speaker. If it is contaminated with the foreign material, turn the power off. Dry the foreign material if it is liquid, and remove it if it is solid. If the speaker wiring harness is short-circuited, repair the wiring harness. Then, check if the error code is displayed. If the error code is displayed, replace the radio and CD player or CD changer, or the audio amplifier.

Attached sheet 3(2/4)

TROUBLESHOOTING

INTRODUCTION TO AUDIO SYSTEM DIAGNOSIS

M1544004700640

AUDIO ERROR CODES

If the radio and CD player or CD changer detects any malfunction in itself or the inserted CD, the error codes below will be shown on the display.

Error code	Cause	Cause of trouble and its solution
ERROR	Power supply error	This error code will be shown if there is any problem in the power supply system of the radio and CD player or CD changer. Check the connectors and wiring harness of the power supply system, and check that the battery voltage is normal. Check that the same error does not appear.
ERROR 01	Focus error	These error codes will be shown if there is any problem with the CD or there is excessive vibration on the vehicle. If the error codes are not displayed when the vehicle is stopped and another CD is inserted, there is a problem with the CD. Check if there is any of the following problems with the CD. • Contamination, scratch, or deformation • Formation of moisture or grease Repair the CD and insert it again. Then, check that no error appears.
ERROR 02	Abnormal disc	
ERROR 03	Mechanical error	This error codes will be shown if there is any internal mechanical or electrical problem in the radio and CD player or CD changer. Replace the radio and CD player or CD changer check that no error codes are shown.
ERROR HOT	Protection against high temperature	If the internal temperature is extremely high, this error code will be shown. Turn off the radio and CD player or CD changer and wait until they cool down. Wait for a while, and then turn on the unit again. Check that the same error does not appear.
ERROR DC	Detection abnormal output to the speaker	<Old> This error code will be shown if the radio and CD player or CD changer, or the audio amplifier has an internal error or is contaminated with the foreign material, and there is a problem with output to the speaker. If it is contaminated with the foreign material, turn the power off. Dry the foreign material if it is liquid, and remove it if it is solid. Then, check if the error code is displayed. If the error code is displayed, replace the radio and CD player or CD changer, or the audio amplifier.
LSI ERROR	USB box internal error	This error code is set when the USB box has an internal error. Replace the USB box.

STANDARD FLOW OF DIAGNOSTIC TROUBLESHOOTING

M1544004800700

Refer to GROUP 00 – Troubleshooting contents .

<New> This error code will be shown if the radio and CD player or CD changer, or the audio amplifier has an internal malfunction (contaminated with the foreign material) or the speaker wiring harness is short-circuited, and abnormal signal is sent to the speaker. If it is contaminated with the foreign material, turn the power off. Dry the foreign material if it is liquid, and remove it if it is solid. If the speaker wiring harness is short-circuited, repair the wiring harness. Then, check if the error code is displayed. If the error code is displayed, replace the radio and CD player or CD changer, or the audio amplifier.

Attached sheet 3(3/4)

Error code	Cause	Cause of trouble and its solution
ERROR 01	Focus error	These error codes will be shown if there is any problem with the CD or there is excessive vibration on the vehicle. If the error codes are not displayed when the vehicle is stopped and another CD is inserted, there is a problem with the CD. Check if there is any of the following problems with the CD. • Contamination, scratch, or deformation • Formation of moisture or grease Repair the CD and insert it again. Then, check that no error appears.
ERROR 02	Abnormal disc	
ERROR 03	Mechanical error	This error codes will be shown if there is any internal mechanical or electrical problem in the radio and CD player. Replace the radio and CD player check that no error codes are shown.
ERROR HOT	Protection against high temperature	If the internal temperature is extremely high, this error code will be shown. Turn off the radio and CD player and wait until they cool down. Wait for a while, and then turn on the unit again. Check that the same error does not appear.
ERROR DC	Detection abnormal output to the speaker	This error code will be shown if the radio and CD player, or the audio amplifier has an internal error or is contaminated with the foreign material, and there is a problem with output to the speaker. If it is contaminated with the foreign material, turn the power off. Dry the foreign material if it is liquid, and remove it if it is solid. Then, check if the error code is displayed. If the error code is displayed, replace the radio and CD player, or the audio amplifier.
LSI ERROR	USB box internal error	This error code is set when the USB box has an internal error. Replace the USB box.

<Old>

STANDARD FLOW OF DIAGNOSTIC TROUBLESHOOTING

M1544004800432

Refer to GROUP 00 – Troubleshooting contents .

TROUBLE SYMPTOM CHART

M1544004902112

Inspection procedure No.	Trouble symptom		Reference page
1	Power of radio and tape player does not turn ON when the ignition switch is in the "ACC" position or "ON" position.	<vehicles with radio and tape player>	
	Power of radio and CD player does not turn ON when the ignition switch is in the "ACC" position or "ON" position.	<vehicles with radio and CD player>	
2	No sound is heard.	<vehicles with audio amplifier: short wheelbase>	
		<vehicles with audio amplifier: long wheelbase>	

<New>

This error code will be shown if the radio and CD player, or the audio amplifier has an internal malfunction (contaminated with the foreign material) or the speaker wiring harness is short-circuited, and abnormal signal is sent to the speaker. If it is contaminated with the foreign material, turn the power off. Dry the foreign material if it is liquid, and remove it if it is solid. If the speaker wiring harness is short-circuited, repair the wiring harness. Then, check if the error code is displayed. If the error code is displayed, replace the radio and CD player, or the audio amplifier.

Attached sheet 3(4/4)

Error code	Cause	Cause of trouble and its solution
ERROR 01	Focus error	These error codes will be shown if there is any problem with the CD or there is excessive vibration on the vehicle. If the error codes are not displayed when the vehicle is stopped and another CD is inserted, there is a problem with the CD. Check if there is any of the following problems with the CD. • Contamination, scratch, or deformation • Formation of moisture or grease Repair the CD and insert it again. Then, check that no error appears.
ERROR 02	Abnormal disc	
ERROR 03	Mechanical error	This error codes will be shown if there is any internal mechanical or electrical problem in the radio and CD changer. Replace the radio and CD changer check that no error codes are shown.
ERROR HOT	Protection against high temperature	If the internal temperature is extremely high, this error code will be shown. Turn off the radio and CD changer and wait until they cool down. Wait for a while, and then turn on the unit again. Check that the same error does not appear.
ERROR DC	Detection abnormal output to the speaker	This error code will be shown if the radio and CD changer, or the audio amplifier has an internal error or is contaminated with the foreign material, and there is a problem with output to the speaker. If it is contaminated with the foreign material, turn the power off. Dry the foreign material if it is liquid, and remove it if it is solid. Then, check if the error code is displayed. If the error code is displayed, replace the radio and CD changer, or the audio amplifier.

<Old>

STANDARD FLOW OF DIAGNOSTIC TROUBLESHOOTING

M1544004800755

Refer to GROUP 00 – Troubleshooting contents .

TROUBLE SYMPTOM CHART

M1544004901391

Inspection procedure No.	Trouble symptom		Reference page
1	Power of radio and CD changer does not turn ON when the ignition switch is in the "ACC" position or "ON" position.		
2	No sound is heard.	<vehicles with audio amplifier: Short wheelbase>	
		<vehicles with audio amplifier: Long wheelbase>	
3	No sound is heard from one of the speakers.	<vehicles without audio amplifier>	
		<vehicles with audio amplifier: Short wheelbase>	
		<vehicles with audio amplifier: Long wheelbase>	

<New>

This error code will be shown if the radio and CD changer, or the audio amplifier has an internal malfunction (contaminated with the foreign material) or the speaker wiring harness is short-circuited, and abnormal signal is sent to the speaker. If it is contaminated with the foreign material, turn the power off. Dry the foreign material if it is liquid, and remove it if it is solid. If the speaker wiring harness is short-circuited, repair the wiring harness. Then, check if the error code is displayed. If the error code is displayed, replace the radio and CD changer, or the audio amplifier.