

Service Information



Category HEATER, VENTILATION AND AIR CONDITIONING (HVAC)	Technical Service Bulletin-Repair Guide	Ref. No. R115/22	Page 1 / 10
Applicable Model Mazda3(Mazda3 (BP)), MX-5(MX-5 (ND)), CX-3(CX-3 (DK)), CX-60(CX-60 (KH)), CX-9(CX-9 (TB)), CX-30(CX-30 (DM)), MX-30(MX-30 (DR)), Mazda6(Mazda6 (GJ/GL)), Mazda2(Mazda2 (DJ/DL)), CX-5(CX-5 (KF)), Mazda3(Mazda3 (BM/BN)), CX-5(CX-5 (KE))		Date Issued Dec 14, 2022	Date Revised -

Subject: R115/22: All models - Ambient Temperature is displayed lower than actual Temperature, and A/C does not work sufficiently

Bulletin Notes

Applicable Model: All models with full-auto air conditioner

Description

Some customers may complain that ambient temperature on the instrument cluster is displayed more than 10 °C {50 °F} lower than the actual temperature, resulting in insufficient performance of the air conditioning.

CAUSE

Inappropriate soldering process in the ambient temperature sensor.

MASS PRODUCTION CHANGE

The soldering process has been enhanced since December 2021 at the supplier.

SUBJECT VIN & PRODUCTION DATE RANGE

Model/spec	VIN Range			Production Date Range	
		from	to	From	to
MAZDA2/Europe (UK Spec.) (Thailand built)	MMZ DJ **** **	100001	999999	-	TBD
MAZDA2/Europe (L.H.D.) (Mexico built)	3MD DJ **** **	100001	999999	-	TBD
Mazda3/Europe (L.H.D. & UK Specs.)	JMZ BM **** **	100001	335358	Jul. 9, 2013	Jun. 23, 2016
Mazda3/Europe (L.H.D.) (Mexico built)	3MZ BM **** **	100001	162687	Aug. 21, 2014	Sep. 9, 2016

Mazda3/Europe (L.H.D. & UK Specs.)	JMZ	BN	**** **	500001	550079	May 26, 2016	Jan. 26, 2019
Mazda3/Russia	JMZ	BM	**** **	500001	550079	May 26, 2016	Jan. 26, 2019
Mazda3/Europe (L.H.D. Spec.) (Mexico built)	3MZ	BN	**** **	300015	356702	Sep. 22, 2016	Jun. 13, 2018
MAZDA3/Europe (L.H.D. & UK Specs.)	JMZ	BP	**** **	100001	999999	-	TBD
	JM4	BP	**** **	100001	999999	-	TBD
MAZDA6/Europe (L.H.D. & UK Specs.)	JMZ	GJ	**** **	100001	499999	-	TBD
MAZDA6/Russia	JMZ	GJ	**** **	100001	999999	-	TBD
MAZDA6/Europe	JMZ	GL	**** **	500001	999999	-	TBD
CX-3/Europe (L.H.D. & UK Specs.)	JMZ	DK	**** **	100001	999999	-	TBD
CX-3/Europe (UK Specs.) (Thailand built)	MMZ	DK	**** **	100001	999999	-	TBD
CX-30/Europe (L.H.D. & UK Specs.)	JMZ	DM	**** **	100001	999999	-	TBD
CX-30/Europe (L.H.D.) (Mexico built)	3MV	DM	**** **	100001	999999	-	TBD
MX-30/Europe (L.H.D. & UK Specs.)	JMZ	DR	**** **	100001	999999	-	TBD
CX-5/Europe	JMZ	KF	**** **	600001	999999	-	TBD
	JMZ	KF	**** **	100001	599999	-	TBD
CX-5/Russia	JMZ	KE	*W** **	600001	999999	-	TBD
	JMZ	KE	*W** **	100001	599999	-	TBD
CX-60/Europe (L.H.D. & UK Specs.)	JMZ	KH	**** **	100001	999999	-	TBD
CX-9/Russia	JMZ	TB	**** **	500001	999999	-	TBD
MX-5/Europe (L.H.D. & UK Specs.)	JMZ	ND	**** **	100001	999999	-	TBD

Repair Procedure

When you receive a customer complaint on this concern, replace the ambient temperature sensor with the modified one according to the workshop manual “AMBIENT TEMPERATURE SENSOR REMOVAL/INSTALLATION [FULL-AUTO AIR CONDITIONER]”.

NOTE: Make sure to disconnect the negative terminal of the battery during the replacement work as described in the workshop manual, otherwise the sensor may not be reset correctly.

Parts Information

Parts Number	Description	Qty.	Notes
G518-61-764A	SENSOR,AMBIENT	1	

NOTE: All service parts in stock are modified ones.

Applicable VIN

Model Name	Carline Code	WMI	VDS	VIS Start Range	VIS End Range
Mazda3	Mazda3 (BM/BN)	3MZ	BM*****	100001	162687
Mazda3	Mazda3 (BM/BN)	3MZ	BN*****	300015	356702
Mazda3	Mazda3 (BM/BN)	JMZ	BM*****	100001	335358
Mazda3	Mazda3 (BM/BN)	JMZ	BM*****	500001	550079
Mazda3	Mazda3 (BM/BN)	JMZ	BN*****	500001	550079
Mazda3	Mazda3 (BP)	JM4	BP*****	100001	ZZZZZZ
Mazda3	Mazda3 (BP)	JMZ	BP*****	100001	ZZZZZZ
Mazda2	Mazda2 (DJ/DL)	3MD	DJ*****	100001	ZZZZZZ
Mazda2	Mazda2 (DJ/DL)	MMZ	DJ*****	100001	ZZZZZZ
CX-3	CX-3 (DK)	JMZ	DK*****	100001	ZZZZZZ
CX-3	CX-3 (DK)	MMZ	DK*****	100001	ZZZZZZ
CX-30	CX-30 (DM)	3MV	DM*****	100001	ZZZZZZ
CX-30	CX-30 (DM)	JMZ	DM*****	100001	ZZZZZZ
MX-30	MX-30 (DR)	JMZ	DR*****	100001	ZZZZZZ
Mazda6	Mazda6 (GJ/GL)	JMZ	GJ*****	100001	ZZZZZZ

Mazda6	Mazda6 (GJ/GL)	JMZ	GL*****	500001	ZZZZZZ
CX-5	CX-5 (KE)	JMZ	KE*W*****	100001	ZZZZZZ
CX-5	CX-5 (KF)	JMZ	KF*****	100001	ZZZZZZ
CX-60	CX-60 (KH)	JMZ	KH*****	100001	ZZZZZZ
MX-5	MX-5 (ND)	JMZ	ND*****	100001	ZZZZZZ
CX-9	CX-9 (TB)	JMZ	TB**Y***	500001	ZZZZZZ

Warranty Information

Assembly group	U - CLIMATE CONTROL AND HIGH VOLTAGE BATTERY COOLING SYSTEMS
Subassembly group	02 - Climate Control
Symptom Code	59 (Insufficient heating)
Damage Code	9R (Open circuit)
Causal Part No.	G518-61-764A
Quantity	1
Operation No. and Labor Hours	Refer to the Operation No. and Labor Hours table
Prior approval necessary	NO

Operation No. and Labor Hours

MAZDA2 (DJ)

360°view monitor system	360°view monitor system screen display verification and 360°view monitor system aiming	360°view monitor system screen display verification only	i-stop	Operation No.	Labor Hours (Hrs.)
x	x	-	x	XXW92ARX	0.8
x	x	-	-	XXW92BRX	0.7
x	-	x	x		
x	-	x	-	XXW92CRX	0.6

-	-	-	x		
-	-	-	-	XXW92DRX	0.5

Mazda3 (BM/BN)

Operation No	Labor Hours (Hrs.)
XXW92ARX	0.5

MAZDA6 (GJ/GL)

360°view monitor system	360°view monitor system screen display verification and 360°view monitor system aiming	360°view monitor system screen display verification only	Operation No.	Labor Hours (Hrs.)
x	x	-	XXW92ARX	0.7
x	-	x	XXW92BRX	0.6
-	-	-	XXW92CRX	0.5

CX-3 (DK)

360°view monitor system	360°view monitor system screen display verification and 360°view monitor system aiming	360°view monitor system screen display verification only	i- stop	Operation No.	Labor Hours (Hrs.)
x	x	-	x/-	XXW92ARX	0.8
x	-	x	x/-	XXW92BRX	0.7
-	-	-	x	XXW92CRX	0.6
-	-	-	-	XXW92DRX	0.5

CX-5 (KF)

360°view monitor system	360°view monitor system screen display verification and 360°view monitor system aiming	360°view monitor system screen display verification only	i-stop	Operation No.	Labor Hours (Hrs.)
x	-	x	x	XXW92ARX	0.7
x	x	-	x/-		
x	-	x	-	XXW92BRX	0.6
-	-	-	-	XXW92CRX	0.5

MX-5 (ND)

i-stop	Operation No.	Labor Hours (Hrs.)
x	XXW92ARX	0.5
-	XXW92BRX	0.4

CX-9 (TC)

360°view monitor system	360°view monitor system screen display verification and 360°view monitor system aiming	360°view monitor system screen display verification only	i-stop	Operation No.	Labor Hours (Hrs.)
x	x	-	x	XXW92ARX	0.8
x	-	x	x	XXW92BRX	0.7
x	x	-	-		
-	-	-	x	XXW92CRX	0.6
x	-	x	-		
-	-	-	-	XXW92DRX	0.5

MAZDA3 (BP)

360°view monitor system	360°view monitor system screen display verification and 360°view monitor system aiming	360°view monitor system screen display verification only	Front cross traffic alert (FCTA) system	Mazda radar cruise control (MRCC) system	i-stop	Operation No.	Labor Hours (Hrs.)
X	X	-	X	-	X	XXW92ARX	0.9
X	X	-	-	X	X		
X	X	-	X	-	-	XXW92BRX	0.8
X	X	-	-	X	-		
X	-	X	X	-	X		
X	-	X	X	-	-		
X	-	X	-	X	X		
-	-	-	X	-	X		
-	-	-	-	X	X		
X	X	-	-	-	X	XXW92CRX	0.7
X	X	-	-	-	-		
X	-	X	-	X	-		
-	-	-	X	-	-		
-	-	-	-	X	-		
X	-	X	-	-	X	XXW92DRX	0.6
X	-	X	-	-	-		
-	-	-	-	-	X	XXW92ERX	0.5
-	-	-	-	-	-	XXW92FRX	0.4

CX-30 (DM)

360°view monitor system	360°view monitor system screen display verification and 360°view monitor system aiming	360°view monitor system screen display verification only	Front cross traffic alert (FCTA) system	Mazda radar cruise control (MRCC) system	i-stop	Operation No.	Labor Hours (Hrs.)
X	X	-	X	-	X	XXW92ARX	1.0
X	X	-	X	-	-	XXW92BRX	0.9
X	X	-	-	X	X		
X	-	X	X	X	-		
X	-	X	-	X	X		
-	-	-	X	-	X		
X	X	-	-	X	-	XXW92CRX	0.8
X	X	-	-	-	X		
X	-	X	X	-	-		
X	-	X	-	X	-		
-	-	-	X	-	-		
-	-	-	-	X	-	XXW92DRX	0.7
X	X	-	-	-	-		
X	-	X	-	-	X	XXW92ERX	0.6
X	-	X	-	-	-		
-	-	-	-	-	X	XXW92FRX	0.5
-	-	-	-	-	-		

MX-30 (DR)

360°view monitor system	360°view monitor system screen display verification and 360°view monitor system aiming	360°view monitor system screen display verification only	Operation No.	Labor Hours (Hrs.)
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x	x	-	XXW92ARX	0.9
x	-	x	XXW92BRX	0.8
-	-	-		

CX-60 (KH)

360°view monitor system	360°view monitor system screen display verification and 360°view monitor system aiming	360°view monitor system screen display verification only	Front cross traffic alert (FCTA) system	Mazda radar cruise control (MRCC) system	i-stop	Operation No.	Labor Hours (Hrs.)
x	x	-	x	-	x	XXW92ARX	1.0
x	x	-	x	-	-	XXW92BRX	0.9
x	x	-	-	x	x		
x	-	x	x	-	x		
x	-	x	-	x	x		
-	-	-	x	-	x		
x	x	-	-	x	-	XXW92CRX	0.8
x	x	-	-	-	x		
x	-	x	x	-	-		
x	-	x	-	x	-		
-	-	-	x	-	-		
-	-	-	-	x	x		
-	-	-	-	x	-		
x	x	-	-	-	-	XXW92DRX	0.7
x	-	x	-	-	x		
x	-	x	-	-	-	XXW92ERX	0.6

-	-	-	-	-	x		
-	-	-	-	-	-	XXW92FRX	0.5

2LC1540049, 1M83011435 (MC Internal Use)