

Technical Service Bulletin

Mazda North American Operations
Irvine, CA 92618-2922



Subject: NOISE COMPLAINTS FROM FRONT COMBINATION LIGHT	Bulletin No.: 09-029/25
	Last Issued : 07/29/2025

BULLETIN NOTES

This bulletin supersedes the previously issued bulletin(s) listed below. The changes are noted in Red text.

Previous TSBs:	Date(s) Issued:
SA-013/23	03/07/23
09-015/23	02/24/23, 07/26/23, 08/29/23 and 10/06/23

APPLICABLE MODEL(S)/VINS

- 2020-2025 CX-30 (Mexico built) vehicles with VINs lower than 3MV DM**** ** 794028 (Produced before Dec., 2024)
- 2022-2025 CX-5 vehicles with VINs lower than JM3 KF**** ** 570888 (Produced before Sep., 2024)
- 2025 CX-70 vehicles with VINs lower than JM3 KJ**** ** 118240 (Produced before Sep., 2024)
- 2024-2025 CX-90 vehicles with VINs lower than JM3 KK**** ** 204555 (Produced before Sep., 2024)
- 2022-2024 MX-30 vehicles with VINs lower than JM1 DR**** ** 200939 (Produced before Apr., 2024)
- 2016-2024 MX-5 vehicles with VINs lower than JM1 ND**** ** 610111 (Produced before Oct., 2024)

DESCRIPTION

Some customers may notice an abnormal noise (i.e. whine, groan, rattle or squeak) coming from the front combination lights when turning them on, or a few minutes after turning them off.

The noise may be due to contamination by foreign matter during the manufacturing process and the fan motor bearing may become worn out during use. To eliminate this concern, the fan motor has been modified.

NOTE: It is normal for some noise to occur within the first few seconds after starting the engine, when the front combination lights perform a self check (sweep).

REPAIR PROCEDURE

1. Verify the customer complaint.
2. Replace the front combination light(s) with modified parts according to the instructions on MGSS online:
 - CX-30: (FRONT COMBINATION LIGHT REMOVAL/INSTALLATION)
 - MX-30: (FRONT COMBINATION LIGHT REMOVAL/INSTALLATION)

CONSUMER NOTICE: The information and instructions in this bulletin are intended for use by skilled technicians. Mazda technicians utilize the proper tools/ equipment and take training to correctly and safely maintain Mazda vehicles. These instructions should not be performed by "do-it-yourselfers." Customers should not assume this bulletin applies to their vehicle or that their vehicle will develop the described concern. To determine if the information applies, customers should contact their nearest authorized Mazda dealership. Mazda North American Operations reserves the right to alter the specifications and contents of this bulletin without obligation or advance notice. All rights reserved. No part of this bulletin may be reproduced in any form or by any means, electronic or mechanical--including photocopying and recording and the use of any kind of information storage and retrieval system ---without permission in writing.

- CX-5: (FRONT COMBINATION LIGHT REMOVAL/INSTALLATION)
- CX-70: (FRONT COMBINATION LIGHT REMOVAL/INSTALLATION)
- CX-90: (FRONT COMBINATION LIGHT REMOVAL/INSTALLATION)
- MX-5: (FRONT COMBINATION LIGHT REMOVAL/INSTALLATION)

3. Verify the repair.

CONSUMER NOTICE: The information and instructions in this bulletin are intended for use by skilled technicians. Mazda technicians utilize the proper tools/ equipment and take training to correctly and safely maintain Mazda vehicles. These instructions should not be performed by "do-it-yourselfers." Customers should not assume this bulletin applies to their vehicle or that their vehicle will develop the described concern. To determine if the information applies, customers should contact their nearest authorized Mazda dealership. Mazda North American Operations reserves the right to alter the specifications and contents of this bulletin without obligation or advance notice. All rights reserved. No part of this bulletin may be reproduced in any form or by any means, electronic or mechanical---including photocopying and recording and the use of any kind of information storage and retrieval system ---without permission in writing.

PARTS INFORMATION**NOTE:**

- Refer to the GEPC using the VIN to select the applicable part number.
- The part numbers have not been changed.
- All units in stock are modified parts.

CX-30:

Parts Number	Description	Qty.	Notes
DLLM-51-040A	LAMP-HEAD.LH	1	North America, Mexico built
DLLM-51-030A	LAMP-HEAD.RH	1	
DGJ1-51-040C	LAMP-HEAD.LH	1	
DGJ1-51-030C	LAMP-HEAD.RH	1	
DGH9-51-040B	LAMP-HEAD.LH	1	
DGH9-51-030B	LAMP-HEAD.RH	1	
DRV-51-030A	LAMP-HEAD.RH	1	
DRV-51-040A	LAMP-HEAD.LH	1	
DRV-51-030A	LAMP-HEAD.RH	1	
DRV-51-040A	LAMP-HEAD.LH	1	

MX-30:

Parts Number	Description	Qty.	Notes
DN4G-51-040D	LAMP-HEAD.LH	1	North America
DN4G-51-030D	LAMP-HEAD.RH	1	
DN4E-51-040C	LAMP-HEAD.LH	1	
DN4E-51-030C	LAMP-HEAD.RH	1	

CX-5:

Parts Number	Description	Qty.	Notes
KPF1-51-041D	LAMP-HEAD.LH	1	North America
KPF1-51-031D	LAMP-HEAD.RH	1	
KPF3-51-041D	LAMP-HEAD.LH	1	
KPF3-51-031D	LAMP-HEAD.RH	1	

CONSUMER NOTICE: The information and instructions in this bulletin are intended for use by skilled technicians. Mazda technicians utilize the proper tools/ equipment and take training to correctly and safely maintain Mazda vehicles. These instructions should not be performed by "do-it-yourselfers." Customers should not assume this bulletin applies to their vehicle or that their vehicle will develop the described concern. To determine if the information applies, customers should contact their nearest authorized Mazda dealership. Mazda North American Operations reserves the right to alter the specifications and contents of this bulletin without obligation or advance notice. All rights reserved. No part of this bulletin may be reproduced in any form or by any means, electronic or mechanical---including photocopying and recording and the use of any kind of information storage and retrieval system ---without permission in writing.

MX-5:

Parts Number	Description	Qty.	Notes
NG7L-51-030C	LAMP-HEAD.RH	1	North America
NG7L-51-040C	LAMP-HEAD.LH	1	
NG7M-51-030C	LAMP-HEAD.RH	1	
NG7M-51-040C	LAMP-HEAD.LH	1	

CX-70:

Parts Number	Description	Qty.	Notes
KEMH-51-030D	LAMP-HEAD.RH	1	North America
KEMH-51-040D	LAMP-HEAD.LH	1	
KR9D-51-030D	LAMP-HEAD.RH	1	
KR9D-51-040D	LAMP-HEAD.LH	1	

CX-90:

Parts Number	Description	Qty.	Notes
KML8-51-030E	LAMP-HEAD.RH	1	North America
KML8-51-040E	LAMP-HEAD.LH	1	
KR9D-51-030D	LAMP-HEAD.RH	1	
KR9D-51-040D	LAMP-HEAD.LH	1	
KR9E-51-030E	LAMP-HEAD.RH	1	
KR9E-51-040E	LAMP-HEAD.LH	1	

CONSUMER NOTICE: The information and instructions in this bulletin are intended for use by skilled technicians. Mazda technicians utilize the proper tools/ equipment and take training to correctly and safely maintain Mazda vehicles. These instructions should not be performed by "do-it-yourselfers." Customers should not assume this bulletin applies to their vehicle or that their vehicle will develop the described concern. To determine if the information applies, customers should contact their nearest authorized Mazda dealership. Mazda North American Operations reserves the right to alter the specifications and contents of this bulletin without obligation or advance notice. All rights reserved. No part of this bulletin may be reproduced in any form or by any means, electronic or mechanical---including photocopying and recording and the use of any kind of information storage and retrieval system ---without permission in writing.

WARRANTY INFORMATION**NOTE:**

- This warranty information applies only to verified customer complaints on vehicles eligible for warranty repair.
- This repair will be covered under Mazda's New Vehicle Limited Warranty term.
- Additional diagnostic time cannot be claimed for this repair.

Warranty Type	A
Symptom Code	82
Damage Code	9G
Part Number Main Cause	****-51-030* or ****-51-040* (CX-30, MX-30, MX-5, CX-70, CX-90) ****-51-031* or ****-51-041* (CX-5)
Quantity	1
Operation Number / Labor Hours:	Refer to the tables below

NOTE: If necessary, claim opposite side head lamp as a related part.

CX-30:

VARIATION 1	VARIATION 2	VARIATION 3	VARIATION 4	VARIATION 5	LABOR OPERATION NUMBER	LABOR TIME
With 360° view monitor system	360°view monitor system screen display verification and 360°view monitor system aiming	Both sides	With front cross traffic alert (FCTA) system	---	XXW9HBRX	1.2
			Without front cross traffic alert (FCTA) system	With mazda radar cruise control (MRCC) system	XXW9HBRX	1.2
			Without front cross traffic alert (FCTA) system	Without mazda radar cruise control (MRCC) system	XXW9HDRX	1.0
		One side	With front cross traffic alert (FCTA) system	---	XXW9HHRX	1.0
			Without front cross traffic alert (FCTA) system	With mazda radar cruise control (MRCC) system	XXW9HHRX	1.0
			Without front	Without mazda	XXW9HJRX	0.9

Page 5 of 9

CONSUMER NOTICE: The information and instructions in this bulletin are intended for use by skilled technicians. Mazda technicians utilize the proper tools/ equipment and take training to correctly and safely maintain Mazda vehicles. These instructions should not be performed by "do-it-yourselfers." Customers should not assume this bulletin applies to their vehicle or that their vehicle will develop the described concern. To determine if the information applies, customers should contact their nearest authorized Mazda dealership. Mazda North American Operations reserves the right to alter the specifications and contents of this bulletin without obligation or advance notice. All rights reserved. No part of this bulletin may be reproduced in any form or by any means, electronic or mechanical--including photocopying and recording and the use of any kind of information storage and retrieval system ---without permission in writing.

			cross traffic alert (FCTA) system	radar cruise control (MRCC) system		
	360°view monitor system screen display verification only	Both sides	With front cross traffic alert (FCTA) system	---	XXW9HCRX	1.1
With 360° view monitor system	360°view monitor system screen display verification only	Both sides	Without front cross traffic alert (FCTA) system	With mazda radar cruise control (MRCC) system	XXW9HCRX	1.1
			Without front cross traffic alert (FCTA) system	Without mazda radar cruise control (MRCC) system	XXW9HERX	0.9
		One side	With front cross traffic alert (FCTA) system	---	XXW9HHRX	1.0
			Without front cross traffic alert (FCTA) system	With mazda radar cruise control (MRCC) system	XXW9HJRX	0.9
			Without front cross traffic alert (FCTA) system	Without mazda radar cruise control (MRCC) system	XXW9HKRX	0.8
		Without 360°view monitor system		Both sides	With front cross traffic alert (FCTA) system	---
Without front cross traffic alert (FCTA) system	With mazda radar cruise control (MRCC) system				XXW9HCRX	1.1
Without front cross traffic alert (FCTA) system	Without mazda radar cruise control (MRCC) system				XXW9HFRX	0.8
One side	With front cross traffic alert (FCTA) system			---	XXW9HJRX	0.9
	Without front cross traffic alert (FCTA) system			With mazda radar cruise control (MRCC) system	XXW9HJRX	0.9
	Without front cross traffic alert (FCTA) system			Without mazda radar cruise control (MRCC) system	XXW9HLRX	0.7

CONSUMER NOTICE: The information and instructions in this bulletin are intended for use by skilled technicians. Mazda technicians utilize the proper tools/ equipment and take training to correctly and safely maintain Mazda vehicles. These instructions should not be performed by "do-it-yourselfers." Customers should not assume this bulletin applies to their vehicle or that their vehicle will develop the described concern. To determine if the information applies, customers should contact their nearest authorized Mazda dealership. Mazda North American Operations reserves the right to alter the specifications and contents of this bulletin without obligation or advance notice. All rights reserved. No part of this bulletin may be reproduced in any form or by any means, electronic or mechanical--including photocopying and recording and the use of any kind of information storage and retrieval system ---without permission in writing.

MX-30:

VARIATION 1	VARIATION 2	VARIATION 3	VARIATION 4	LABOR OPERATION NUMBER	LABOR HOURS
Both sides	With 360°view monitor system	360°view monitor system screen display verification and 360°view monitor system aiming	---	XXW9HBRX	1.2
		360°view monitor system screen display verification only	With front cross traffic alert (FCTA) system	XXW9HBRX	1.2
		360°view monitor system screen display verification only	Without front cross traffic alert (FCTA) system	XXW9HCRX	1.1
	Without 360°view monitor system	---	---	XXW9HCRX	1.1
One side	With 360°view monitor system	360°view monitor system screen display verification and 360°view monitor system aiming	---	XXW9HHRX	1.0
		360°view monitor system screen display verification only	With front cross traffic alert (FCTA) system	XXW9HHRX	1.0
		360°view monitor system screen display verification only	Without front cross traffic alert (FCTA) system	XXW9HJRX	0.9
	Without 360°view monitor system	---	---	XXW9HJRX	0.9

CONSUMER NOTICE: The information and instructions in this bulletin are intended for use by skilled technicians. Mazda technicians utilize the proper tools/ equipment and take training to correctly and safely maintain Mazda vehicles. These instructions should not be performed by "do-it-yourselfers." Customers should not assume this bulletin applies to their vehicle or that their vehicle will develop the described concern. To determine if the information applies, customers should contact their nearest authorized Mazda dealership. Mazda North American Operations reserves the right to alter the specifications and contents of this bulletin without obligation or advance notice. All rights reserved. No part of this bulletin may be reproduced in any form or by any means, electronic or mechanical--including photocopying and recording and the use of any kind of information storage and retrieval system ---without permission in writing.

CX-5:

VARIATION 1	VARIATION 2	VARIATION 3	VARIATION 4	LABOR OPERATION NUMBER	LABOR HOURS
Both sides	With 360° view monitor system	With 360° view monitor system screen display verification	With 360° view monitor system aiming	XXW9HCRX	1.0
		With 360° view monitor system screen display verification	Without 360° view monitor system aiming	XXW9HDRX	0.9
	Without 360° view monitor system	Without 360° view monitor system screen display verification	Without 360° view monitor system aiming	XXW9HFRX	0.7
One side	With 360° view monitor system	With 360° view monitor system screen display verification	With 360° view monitor system aiming	XXW9HPRX	0.8
		With 360° view monitor system screen display verification	Without 360° view monitor system aiming	XXW9HNRX	0.7
	Without 360° view monitor system	Without 360° view monitor system screen display verification	Without 360° view monitor system aiming	XXW9HMRX	0.6

MX-5:

Side(s)	LABOR OPERATION NUMBER	LABOR HOURS
One	XXX2MGRX	0.7
Both	XXX2MKRX	1.0

CX-70:

Side(s)	LABOR OPERATION NUMBER	LABOR HOURS
One	XXX2NKRX	1.3
Both	XXX2NLRX	1.4

CX-90:

Engine	Side(s)	Cross Traffic Alert (FCTA)	Mazda Radar Cruise Control (MRCC)	LABOR OPERATION NUMBER	LABOR HOURS
PYUL (PHEV)	One	With or Without	With or Without	XXX2NTRX	1.2
PYUL (PHEV)	Both	Without	With or Without	XXX2NWRX	1.3

CONSUMER NOTICE: The information and instructions in this bulletin are intended for use by skilled technicians. Mazda technicians utilize the proper tools/ equipment and take training to correctly and safely maintain Mazda vehicles. These instructions should not be performed by "do-it-yourselfers." Customers should not assume this bulletin applies to their vehicle or that their vehicle will develop the described concern. To determine if the information applies, customers should contact their nearest authorized Mazda dealership. Mazda North American Operations reserves the right to alter the specifications and contents of this bulletin without obligation or advance notice. All rights reserved. No part of this bulletin may be reproduced in any form or by any means, electronic or mechanical--including photocopying and recording and the use of any kind of information storage and retrieval system ---without permission in writing.

PYUL (PHEV)	Both	With	With	XXX2NYRX	1.4
H3T (MHEV)	One	With or Without	With or Without	XXX2NZRX	1.2
H3T (MHEV)	Both	With or Without	With or Without	XXX2PARX	1.4

CONSUMER NOTICE: The information and instructions in this bulletin are intended for use by skilled technicians. Mazda technicians utilize the proper tools/ equipment and take training to correctly and safely maintain Mazda vehicles. These instructions should not be performed by "do-it-yourselfers." Customers should not assume this bulletin applies to their vehicle or that their vehicle will develop the described concern. To determine if the information applies, customers should contact their nearest authorized Mazda dealership. Mazda North American Operations reserves the right to alter the specifications and contents of this bulletin without obligation or advance notice. All rights reserved. No part of this bulletin may be reproduced in any form or by any means, electronic or mechanical---including photocopying and recording and the use of any kind of information storage and retrieval system ---without permission in writing.