

Technical Service Bulletin

Mazda North American Operations
Irvine, CA 92618-2922



Subject: STEERING WHEEL VIBRATES AT IDLE	Bulletin No.: 06-003/20
	Last Issued: 09/08/2020

BULLETIN NOTES

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

Previous TSBs:	Date(s) Issued:
06-003/20	08/25/20 and 07/21/20

APPLICABLE MODEL(S)/VINS

US Spec.:

2017-2020 CX-5 vehicles with VINs lower than JM3KF*****796943 (produced before Feb. 3, 2020)

2019-2021 CX-9 vehicles with VINs lower than JM3TC*****500602 (produced before Jul. 28, 2020)

2018-2020 Mazda6 vehicles with VINs lower than JM1GL*****526218 (produced before Jul. 20, 2020)

Mexico Spec.:

2019-2020 CX-5 vehicles with VINs lower than JM3KF*****796943 (produced before Feb. 3, 2020)

2019-2020 Mazda6 vehicles with VINs lower than JM1GL*****526218 (produced before Jul. 20, 2020)

DESCRIPTION

Some customers may complain of a steering wheel vibration (in a rotational direction), when they are not holding onto the steering wheel. The vibration stops when holding onto the steering wheel or when driving. This may be caused by improper control logic of the EPS control module. To eliminate this concern, the EPS control logic has been modified.

Customers having this concern should have their vehicle repaired using the following repair procedure.

REPAIR PROCEDURE

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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.

1. Verify the customer concern (see sample movie below).
2. Replace the EPS control module (EPS CM) with a modified one according to the instructions on MGSS online:
 - CX-5: STEERING WHEEL AND COLUMN REMOVAL/INSTALLATION
 - CX-9: STEERING WHEEL AND COLUMN REMOVAL/INSTALLATION
 - Mazda6: STEERING WHEEL AND COLUMN REMOVAL/INSTALLATION
3. Verify the repair.

PARTS INFORMATION

Parts Number	Description	Qty.	Model	Notes
K123-67-88ZF	Box, Control-E.C.P.S. Sys.	1	CX-5	USA / Canada
KN0W-67-88ZA	Box, Control-E.C.P.S. Sys.	1	CX-5	USA / Canada / Mexico
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TN39-67-88ZA	Box, Control-E.C.P.S. Sys.	1	CX-9	USA / Canada
GBEF-67-88ZC	Box, Control-E.C.P.S. Sys.	1	Mazda6	USA / Canada / Mexico
B455-32-099B	Bolt, Shaft	1	All	[R] for intermediate shaft
KA01-66-154	Bolt, Set	2	All	[R] for start stop unit
9YA01-1003A	Bolt	1	All	[R] for steering wheel

[R]: Replace parts

NOTE:

- Use VIN to lookup correct part number in GEPC
- Part number K123-67-88ZF is not effective for this concern on the vehicles out of the subject VIN range.

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.

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- Additional diagnostic time cannot be claimed for this repair.

Warranty Type	A
Symptom Code	83
Damage Code	9W
Part Number Main Cause	****-67-88Z*
Quantity	1
Operation Number / Labor Hours:	XXS3WXRX / 0.9 Hrs. (CX-5) XXS3WARX / 0.9 Hrs. (CX-9) XXS3WARX / 0.7 Hrs. (Mazda6)

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