

Technical Service Bulletin

Mazda North American Operations
Irvine, CA 92618-2922

**Subject:**

**VIBRATION FELT THROUGH FLOOR / SEAT / STEERING WHEEL AT
APPROX. 25 - 30 MPH**

Bulletin No.: 03-001/18

Last Issued: 06/05/2018

BULLETIN NOTES

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

Previously issued TSBs:	Date issued:
03-001/17	01/09/17
03-003/16	08/11/16

APPLICABLE MODEL(S)/VINS

2013-2016 CX-5 vehicles equipped with automatic transmission

2014-2017 Mazda6 vehicles equipped with automatic transmission

DESCRIPTION

Some customers may complain about a vibration that is felt through the floor, seat and/or steering wheel while driving under moderate acceleration, at speeds of approx. 25 - 30 mph (40 - 50 km/h). The vibration is more noticeable when driving on smooth, flat roads.

The vibration may be caused by wear on the inner surface of the tripod joint case (inner side of front drive shaft). To eliminate this concern, a coating has been applied to the inner surface of the tripod joint case to improve wear resistance.

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

REPAIR PROCEDURE

1. Verify the customer concern. 2. Replace the inner joint set for the left and right drive shafts. Refer to MGSS online Workshop Manual:

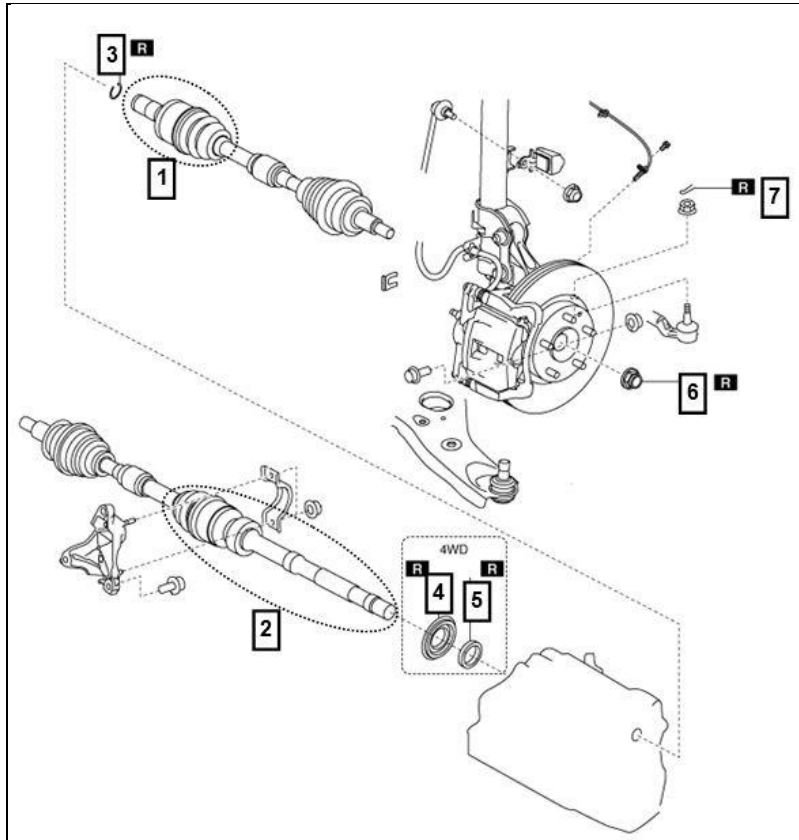
- CX-5 - FRONT DRIVE SHAFT REMOVAL/INSTALLATION and FRONT DRIVE SHAFT (TRIPOD JOINT) DISASSEMBLY/ASSEMBLY.
- Mazda6 - FRONT DRIVE SHAFT REMOVAL/INSTALLATION and FRONT DRIVE SHAFT (TRIPOD JOINT) DISASSEMBLY/ASSEMBLY.

3. Verify the repair.

Parts Location:

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No.	Description	No.	Description
1	Inner Joint Set (L)	5	Oil Seal, Transmission (4WD)
2	Inner Joint Set (R)	6	Lock Nut
3	Clip. Drive Shaft (L)	7	Snap Pin, Ball Joint
4	Oil Seal, Transmission (4WD)		

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PARTS INFORMATION

CX-5			
Part Number	Description	Qty.	Notes
FTY0-22-620	Inner Joint Set (L)	1	All
FTY0-22-520	Inner Joint Set (R)	1	2.0L, A/T, 2WD
FTY1-22-520	Inner Joint Set (R)	1	2.0L, A/T, 4WD
FTY2-22-520	Inner Joint Set (R)	1	2.5L, A/T, 2WD
FTY3-22-520	Inner Joint Set (R)	1	2.5L, A/T, 4WD
H010-25-421A	Clip, Drive Shaft (L)	1	Non-reusable part
CN01-27-397	Oil Seal, Transmission (4WD)	1	
KN01-27-398	Oil Seal, Transmission (4WD)	1	
D651-33-042A	Lock Nut	2	
T060-26-169A	Snap Pin, Ball Joint	2	

Mazda6			
Part Number	Description	Qty.	Notes
FTY0-22-620	Inner Joint Set (L)	1	---
FTY2-22-520	Inner Joint Set (R)	1	---
H010-25-421A	Clip, Drive Shaft (L)	1	Non-reusable part
D651-33-042A	Lock Nut	2	
T060-26-169A	Snap Pin, Ball Joint	2	

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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 Powertrain Limited Warranty.
- Additional diagnostic time cannot be claimed for this repair.

	Mazda6, CX-5 2WD	CX-5 4WD
Warranty Type	A	A
Symptom Code	83	83
Damage Code	9C	9C
Part Number Main Cause	FTY0-22-620 (Inner Joint Set (L))	FTY0-22-620 (Inner Joint Set (L))
Quantity	1	1
Operation Number / Labor Hours:	XXM59ARX / 2.4 Hrs. Inner Joint Set, RR (Both sides) Includes: Two (2) road tests	XXM59BRX / 2.5 Hrs. Inner Joint Set, RR (Both sides) Includes: Two (2) road tests

NOTE: Claim the inner joint set (R) and replacement parts as Related Parts.

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