

<b>Subject:</b>  WHINING NOISE FROM AUTOMATIC TRANSAXLE	<b>Bulletin No:</b> 05-008/16
	<b>Last Issued:</b> 12/07/2016

## BULLETIN NOTE

**This bulletin supersedes the previously issued bulletin(s) listed below. MASH authorization has been removed.**

Previous TSBs:	Issued Dates:
05-005/15	11/17/15 and 04/08/15
05-004/14	05/05/14, 03/19/14 and 03/05/14

## APPLICABLE MODEL(S)/VINS

2012-13 Mazda3 (SKYACTIV A/T)

2014 Mazda3 (Japan built SKYACTIV A/T) with VINS lower than JM1BM1K73E1144608 (produced before November 11, 2013)

2013-2014 CX-5 (SKYACTIV A/T) with VINS lower than JM3KE2BE3E0415164 (produced before November 11, 2013)

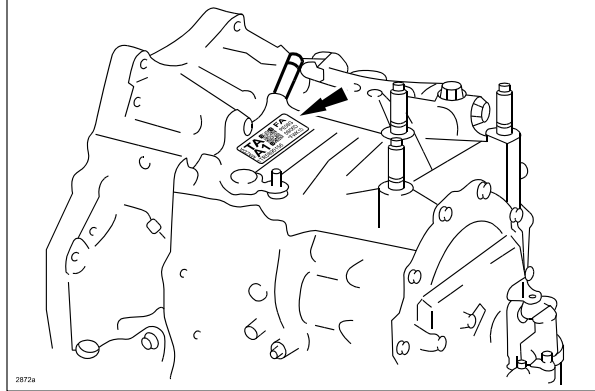
2014 Mazda6 (SKYACTIV A/T) with VINS lower than JM1GJ1U60E1158307 (produced before November 12, 2013)

## DESCRIPTION

Some customers may complain of a whining noise from the automatic transaxle when driving at 10 mph and above. The noise:

- Depends on the vehicle's speed only (the more speed, the more noise)
- Occurs with all types of driving (acceleration, deceleration, steady speed)
- Does not depend on rpm, gear, or ATF temperature

This is caused by a damaged bearing in the transaxle due to improper configuration of the transaxle case. A modification has now been implemented on automatic transaxles with the serial number 3TR1111680 and higher or 3TD1104906 and higher. The serial number can be found on top of the transaxle case near the manual shaft lever.



The following table shows how to decipher the serial number. Example 3TR1111680 is Nov 2013 production.

3 Year	TR Production line	11 Month	11680 Number
1=2011		01=Jan	
2=2012		02=Feb	
3=2013		...	
4=2014		12=Dec	

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

### **REPAIR PROCEDURE**

1. Verify customer concern.
2. Replace the 6AT assembly with a new one according to MS3 online instructions.
3. Verify repair.

**PART(S) INFORMATION**

Description	Vehicle	Engine	Part Number	Qty.	Notes
6AT SKYACTIV Assembly	2012-13 Mazda3	PE (2.0L)	FWK1-03-000	1	
	2013 CX-5 (2WD)	PE (2.0L)	FWL1-03-000		-9/6/2012
	2013 CX-5 (4WD)	PE (2.0L)	FW7A-03-000		w/out kickdown switch
	2013 CX-5 (2WD)	PE (2.0L)	FWLC-03-000		9/7/12-11/19/12
	2013 CX-5 (4WD)	PE (2.0L)	FW78-03-000		w/ kickdown switch
	2014 CX-5 (2WD)	PE (2.0L)	FWL7-03-000		
	2014 CX-5 (4WD)	PE (2.0L)	FW7F-03-000		
	2014 CX-5 (2WD)	PY (2.5L)	FWH4-03-000		
	2014 CX-5 (4WD)	PY (2.5L)	FW7L-03-000		
	2014 Mazda6	PY (2.5L)	FWH3-03-000		w/out i-ELOOP
			FWH9-03-000		w/ i-ELOOP
	2014 Mazda3 (VIN JM1)	PE (2.0L)	FWB2-03-000		
	2014 Mazda3 (VIN JM1)	PY (2.5L)	FWH1-03-000		
	2014 Mazda3 (VIN 3MZ)	PE (2.0L)	FWT6-03-000		

## 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 term.
- Additional diagnostic time cannot be claimed for this repair.

Warranty Type	A
Symptom Code	82
Damage Code	9G
Part Number Main Cause	****-03-000*
Quantity	1
Operation Number / Labor Hours:	XXK23ARX / 4.5 Hrs. (2014 Mazda3 and Mazda6) XXK23BRX / 4.4 Hrs. (2012-2013 Mazda3) XXK23CRX / 4.8 Hrs. (CX-5 2WD) XXK23CRX / 6.8 Hrs. (CX-5 4WD)
	A0109AAX (Front and/or rear wheel alignment - check and adjust using 4-wheel alignment machine) 1.2 Hrs (2012-13 Mazda3) 1.1 Hrs (2014 Mazda3) 1.1 Hrs (2014 Mazda6) 1.1 Hrs (2013-14 CX-5)