

<b>Subject:</b>  WHINING NOISE FROM REAR DIFFERENTIAL	<b>Bulletin No:</b> 03-004/14
	<b>Last Issued:</b> 09/09/2014

## APPLICABLE MODEL(S)/VINS

2006-2013 MX-5 vehicles with VINs lower than JM1NC\*\*\*\*\*233232 (produced before May 29, 2013)

## DESCRIPTION

Some vehicles may exhibit a whining noise from the rear differential when driving.

The concern may be caused by improper tooth contact pattern of the rear differential gear from abnormal wear. This abnormal wear is caused by gear tooth lapping compound (used during the production) being left on beyond the allowable amount. The production control has been improved to reduce the amount of remaining lapping compound.

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

## REPAIR PROCEDURE

1. Verify customer concern.
2. Replace the rear differential with a new one. Refer to MS3 online instructions or Workshop Manual section 03-14.
3. Verify repair.

## PART(S) INFORMATION

Part Number	Description	Qty.	Notes
MA29-27-100E	Driving and Differential	1	5AT
MA30-27-100E			6AT
MA33-27-100E			6MT
MS06-27-100F			6MT with LSD

**NOTE:** Confirm the part number in the EPC for the VIN in repair.

## 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.

Warranty Type	A
Symptom Code	82
Damage Code	9C
Part Number Main Cause	****-27-100
Qty.	1
Operation Number / Labor Hours:	XXK8CXRX / 2.6 Hrs.