

Subject: HARD TO SHIFT INTO 3RD, 4TH, 5TH AND/OR 6TH GEAR	Bulletin No: 05-001/15
	Last Issued: 01/05/2015

BULLETIN NOTE

- This bulletin supersedes the previous bulletins 05-008/14 issued on 07/14/14 and 11/26/14. The PART(S) INFORMATION has been revised.
- Changes are noted below beside the change bar in Red.

APPLICABLE MODEL(S)/VINS

2012-2013 Mazda3 (SKYACTIV 6 M/T)

2014-15 Mazda3 (6 M/T) with VINs lower than JM1BM*****228314 (produced before August 8, 2014)

2013-2015 CX-5 (6 M/T) with VINs lower than JM3KE*****517027 (produced before August 8, 2014)

2014-2015 Mazda6 (6 M/T) with VINs lower than JM1GJ*****203425 (produced before August 8, 2014)

DESCRIPTION

Some vehicles may exhibit one of the following concerns:

- Hard to shift into 3rd, 4th, 5th, and/or 6th gear.
- Sometimes the shifter may jump out of 3rd gear over a road bump when accelerating after deceleration at 25-40 mph (40-65 km/h)

This is caused by a failure of the related clutch hub(s). To correct the problem of hard shifting, the shape of the 3-4 and 5-6 clutch hub has been changed. A surface treatment has now been added to the 3-4 clutch hub to prevent 3rd gear from jumping out.

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

REPAIR PROCEDURE

1. Verify customer concern.
2. Remove the transaxle. Refer to MS3 online instructions or the Workshop Manual section 05-15.
3. Replace the 3-4 and 5-6 clutch hub with a modified one and the 3rd gear with a new one (listed in the Parts Information). Refer to the C66M-R 6-speed SKYACTIV Manual Transaxle Workshop Manual.

NOTE:

- Bearing Puller part number 4907-10-520-L is used for this repair.
 - If 3rd gear is jumping out, replace the 3rd gear with a new one.
4. Install the transaxle.
 5. Verify repair.

PART(S) INFORMATION

Part Number	Description	Qty.	Notes
C602-17-240B	3-4 Clutch Hub Assembly	1	All
C602-17-620B	5-6 Clutch Hub Assembly	1	All
C601-17-230B	3rd Gear**	1	Except CX-5
C610-17-230A			CX-5
G054-25-421	Clip for drive shaft*	1	2012-15 Mazda3 (2.0L)
H010-25-421A			2014-15 Mazda3 (2.5L) 2014-15 Mazda6 2013-15 CX-5
D651-33-042A	Wheel Hub Nut*	2	All
T060-26-169A	Clip for Tie-rod End*	2	All
B455-32-099B	Bolt for Intermediate Shaft*	1	Except 2014-15 Mazda3
KD31-32-099			2014-15 Mazda3
D602-17-435B	Retaining Ring*	1	All
C601-17-435B	Retaining Ring*	1	All
C602-17-206	Ball Bearing*	1	All
C601-17-339	"O" Ring*	1	All
9956-41-800	Washer*	2	All
9956-21-600	Gasket*	1	All
9956-21-400	Washer*	2	All
C604-17-435B	Retaining Ring*	1	All
0000-77-5W80-QT	Manual Transaxle Oil	3	Specification: 2.6 - 2.7 US qt

* Replacement parts

** Replace 3rd gear only if necessary (if 3rd gear jumps out).

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	24
Damage Code	9M
Part Number Main Cause	C602-17-620B
Quantity	1
Operation Number/Labor Hours	XXKA1XRX / 5.6 Hrs (All Models)