Firm 2nd to 3rd Gear Upshifts Under Certain Driving Conditions

Supersedes 15-040, dated August 19, 2015, to revise the information highlighted in <mark>yellow</mark>.

REVISON SUMMARY

- Under AFFECTED VEHICLES, VIN range has been updated.
- Under REPAIR PROCEDURE, add additional bullet to NOTE and added PCM idle learn procedure.

AFFECTED VEHICLES

Year	Model	Trim	VIN Range
2015	TLX	V6 2WD	19UUB2...FA000001 to 19UUB2...FA007800
2015	TLX	V6 SH-AWD	19UUB3...FA000001 to 19UUB3...FA022024

SYMPTOM

Under certain driving conditions some client may experience a firmer-than-expected upshift from 2nd to 3rd gear.

POSSIBLE CAUSES

The TCM software is not optimized for a consistent 2nd to 3rd upshift under all conditions.

CORRECTIVE ACTION

Update the TCM software to get optimal performance out of the transmission, clear any DTCs, and do the PCM idle learn procedure.

NOTE: After completing the software update, check the **Idle Learning** signal in the **PGM-FI Data List**. If it reads **NOT COMPLETE**, check the **Target Idle Torque Correction Learning** value. If it reads **65 N•m (47.9 lb-ft)** you need to update the PCM. Refer to Service Bulletin 15-038, *Hesitation, Surge, High Idle, or Auto Idle Stop Does Not Work*, for software update information. If the value reads **12 N•m (8.8 lb-ft)**, complete the idle learn as according to the service information.

SOFTWARE INFORMATION

NOTE: Unnecessary or incorrect repairs resulting from a failure to update the HDS or MVCI are not covered under warranty.

MVCI Control Module (CM) Update:

Application (FW) Version **3.01.42 or later**

Database Update **04-Aug-2015 or later**

HDS Software Version:

3.016.042 or later.

Before beginning the repair, make sure that both the HDS and the MVCI are updated as listed above.

Do only the update listed in this service bulletin.

Check that the MVCI indicates the applicable program ID listed below (or a later program ID) as the **Available Update** when the update begins. If the MVCI displays **This vehicle does not need an update at this time** during the update, the software for this service bulletin is already installed.

For more information about updating the HDS, the MVCI, and vehicle systems, refer to Service Bulletin 01-026, *Updating Control Units/Modules*.

Year/Model	Trim	Program ID (or later)	Program P/N (or later)
2015 TLX	2WD Base/Tech	J43150	28101-5J4-3150
2015 TLX	2WD Advance	J43160	28101-5J4-3160
2015 TLX	AWD Base/Tech	L93150	28101-5L9-3150
2015 TLX	AWD Advance	L93170	28101-5L9-3170

WARRANTY CLAIM INFORMATION

The normal warranty applies.

Operation Number	Description	Flat Rate Time	Template ID	Failed Part Number
2235A2	Update the TCM software and clear any DTCs.	0.2 hr	15-040	06280-5L9-A52
A	Do the PCM idle learn procedure.	0.1 hr		

Defect Code: 03214

Symptom Code: 03216

Skill Level: Repair Technician

REPAIR PROCEDURE

1. Update the TCM software with the MVCI. Refer to Service Bulletin 01-026, *Updating Control Units/Modules*.

    NOTE:

    - On vehicles equipped with auto idle stop, the MVCI may indicate error code 56 during the update. If you see the error code, open the hood, disable auto idle stop using the switch in the center console area, and retry the update again leaving the hood open.
    - After completing the software update, check the **Idle Learning** signal in the **PGM-FI Data List**. If it reads **NOT COMPLETE**, check the **Target Idle Torque Correction Learning** value. If it reads **65 N·m (47.9 lb-ft)** you need to update the PCM. Refer to Service Bulletin 15-038, *Hesitation, Surge, High Idle, or Auto Idle Stop Does Not Work*, for software update information. If the value reads **12 N·m (8.8 lb-ft)**, complete the idle learn as according to the service information.

2. Clear any stored DTCs with the HDS.

3. Do the PCM idle learn procedure:

    - Make sure all electrical items (A/C, audio unit, rear window defogger, lights, etc.) are turned off.
    - Start the engine, and let it reach operating temperature (the cooling fans cycle twice).
    - Let the engine idle for **10 minutes** with the throttle fully closed.
    - Turn the ignition to OFF.
    - Jump the SCS line with the HDS.
    - Wait **60 seconds**, then exit the SCS mode.

    END.