

TECHNICAL SERVICE BULLETIN

Group:	11-ENGINE
Bulletin No:	SB-16-015
Issue Date:	7-14-2016
Reference:	HMM-160701-J1

DCU SOFTWARE UPDATE

SUBJECT VEHICLES: 11MY-17MY Conventional Trucks (238, 258, 268, or 338)

Note: This service bulletin is provided as technical information and is not authorization for a warrantable repair.

OVERVIEW:

Enhanced DCU (Dosing Control Unit) software has been released to address the following conditions:

Illumination of the check engine light. The DCU may falsely detect an issue and record any of the 3 following DTC's in the DCU.

P142A(DEF pump temperature sensor - Out of range)

P204B(DEF pressure sensor – Rationality)

P20A1(Reverting valve for DEF pump stuck close)

In rare cases, the completion of the after-run process might be mistakenly aborted. This occurs when the ignition key is cycled back on and then off prior to after-run completion. If this occurs when ambient temperatures are below freezing and the urea is allowed to fully freeze, internal damage to the DEF pump may occur. Once damaged, urea could migrate into the DEF pump electrical connector and SCR harness resulting in corrosion. This corrosion could result in detection of any combination of SCR(Selective Catalyst Reductant) DTC's including but not limited to:

P142A(DEF pump temperature sensor - Out of range)

P208A(DEF pump motor circuit - Open load)

P208B(DEF pump motor - Functional)

The enhanced DCU software prevents the after-run process from being aborted prior to completion.



NOTICE: If corrosion is found in the DEF pump electrical connector and SCR harness connector, both the DEF pump and harness will require replacement.



A Toyota Group Company

TECHNICAL SERVICE BULLETIN

Group:	11-ENGINE
Bulletin No:	SB-16-015
Issue Date:	7-14-2016
Reference:	HMM-160701-J1

REPAIR PROCEDURE

1. Connect a battery charger to the vehicle and your laptop to maintain a proper state of charge during the reprogramming sequence.
2. Verify that the DXII has software version 1.1.16.5 (DBFile 2.5.16.18) or later.
3. Turn the starter switch to the "ON" position. Update the DCU to the latest software level using the Hino Diagnostic eXplorer II (Hino DX2). Refer to the following table for the appropriate software part number for the application.

SOFTWARE INFORMATION

Description	Model Year	New Software Part No.
DCU Software	17MY	89550-E0241
DCU Software	16MY	89550-E0182
DCU Software	11MY-15MY	89550-E0142

4. Proceed to the final inspection section to complete this Technical Service Bulletin (TSB).



A Toyota Group Company

TECHNICAL SERVICE BULLETIN

Group:	11-ENGINE
Bulletin No:	SB-16-015
Issue Date:	7-14-2016
Reference:	HMM-160701-J1

FINAL INSPECTION:

1. To complete this software update procedure, review the TSB and confirm the following:
When reprogramming the DCU, DTC's may have inadvertently been set in other control modules. Using the Hino DX2, ensure all codes have been cleared from these modules prior to releasing the truck back to the customer.

NOTE: This procedure is provided as technical information and is not an authorization for a warranty repair.

CLAIM APPLICATION:

** Reimbursable in accordance within the terms and policies of the Hino Truck limited warranties.*

DCU Software Update:

- a) Labor charge: 0.8 hours
- b) Warranty code: 86667
- c) Trouble code: 98
- d) Operation code: 86650AOT
- e) Original failed part: 9999999999



A Toyota Group Company