TECHNICAL SERVICE BULLETIN

CONVENTIONAL ECU SOFTWARE
ENHANCEMENT/DPR UPDATE

BULLETIN NO: SB-18-011
DATE: 5-9-2018
REFERENCE: HMM-180423-F1

SUBJECT VEHICLES: 11MY-14MY Conventional Trucks equipped with a J08 engine

OVERVIEW:

During normal operation of the engine, soot accumulates in the DPF (Diesel Particulate Filter) then is periodically incinerated during a regeneration process controlled by the ECU (Engine Control Unit) program. The regeneration frequency is determined by calculating the soot amount based on general engine operating conditions. Due to normal wear and aging of fuel system components such as injectors, internal combustion components and air system related components, it is possible the actual soot amount being deposited into the DPF could exceed the calculated amount of the engine control program. If this occurs, the periodic regeneration of soot within the DPF could cause higher incineration temperatures that could potentially cause premature DPF failure. The enhanced engine controller software will now periodically compare the calculated soot of the engine ECU program to the actual soot amount calculated using the differential back pressure of the DPF. If the calculated soot amount differs from the actual soot amount, the DPR indicator located within the instrument cluster will jump directly to six (6) bars whereas a manual (parked) regeneration will be requested. The periodic manual regenerations may help reduce the chance for potential DPF damage due to unexpected additional soot accumulation.

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 DX2 has software version 1.1.18.7 or later.

3. Turn the starter switch to the “ON” position. Update the engine ECU 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:

PART NUMBER	MODEL YEAR	DESCRIPTION
89663-E1V18	11MY	J08EVC ECU Software
89663-E1V28	11MY	J08EVB ECU Software
89663-E2777	12MY S/C	J08EVC ECU Software
89663-E2787	12MY S/C	J08EVB ECU Software
89663-E2B47	12MY R/C	J08EVC ECU Software
89663-E2B57	12MY R/C	J08EVB ECU Software
89663-E2P17	13MY	J08EVC ECU Software
89663-E2P27	13MY	J08EVB ECU Software
89663-E3017	14MY	J08EVC ECU Software
89663-E3027	14MY	J08EVB ECU Software

4. Proceed to the final inspection section to complete this technical service bulletin.

FINAL INSPECTION

1. To complete this software update procedure, review the service bulletin and confirm the following:

- When reprogramming the engine ECU, 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.

CLAIM APPLICATION

ECU update is covered under Engine warranty of 3 years/unlimited miles and Emissions warranty of 5 years/100,000 miles.

Engine ECU Reprogramming:

a) Labor charge: 0.8 hour

b) Warranty code: 86311

c) Trouble code: 98

d) Operation code: 86350AOT

e) Original failed part: 9999999999