

SERVICE BULLETIN

SUBJECT:
CORRECTION OF WORKSHOP MANUALS FOR 2011-2013 CONVENTIONAL MODELS
and 2013 COE VEHICLES
(ADD CAUTION FOR FILLING THE DEF)

The following is to inform you of the above caption. Moreover, to announce that this service data be attached to the relevant pages of the workshop manuals for maintenance, and to use for servicing.

CONDITION:

Addition of cautions for filling the DEF.

(The actions to be taken if diesel fuel has been mistakenly added into the DEF tank.)

Please refer to the page 2/3, 3/3 for the detail.

SUBJECT VEHICLES:

Hino 155, 195, 155h, 195h, 238, 258, 268, 338

(Vehicles with DEF-SCR system.)

SUBJECT MANUALS:

1) Hino 155, 195, 155h and 195h Models (page 2/3)

Model	Manual No.	Chapter	Page No.
USA 2013MY	S5-LJ05E02B,C	Exhaust (J05E)	11-74

2) ~~Hino 238, 258, 268 and 338 Models (page 3/3)~~

Model	Manual No.	Chapter	Page No.
USA 2011MY	S5-UJ08E07B	Emission Control (J08E)	EN10-8
USA 2012MY	S5-UJ08E08A		
USA 2013MY	S5-UJ08E09A		

DETAIL OF CORRECTION:

1) For Hino 155, 195, 155h, 195h

Example: Manual No. S5-LJ05E03C Page 11-74

11-74

ADD

- If diesel fuel has been mistakenly added into the DEF tank. Once the engine is started and the DEF pump is activated, diesel fuel will enter the DEF piping, DEF pump and DEF injector. If diesel fuel has entered the DEF piping, DEF pump and DEF injector, replace them along with the DEF tank and DEF sensor. If the engine has not yet been started, the areas exposed to diesel fuel are only the DEF tank and the DEF piping inside the tank. Disconnect the piping from the DEF tank and replace the DEF tank and DEF sensor. In this case, no other parts need to be replaced.

REMOVING THE DEF TANK

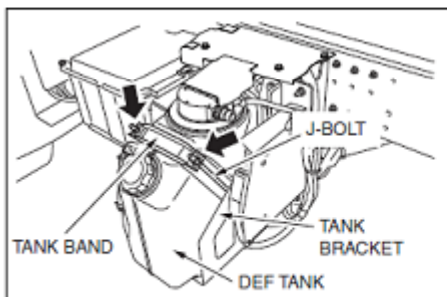
1. CAUTIONS

⚠ CAUTION

After-run (DEF drawn back to the DEF tank) is performed after the starter key is turned to "LOCK" and the muffler temperature drops. Before starting work, wait for at least 10 minutes after turning the starter key to "LOCK."

2. REMOVING THE TANK BAND

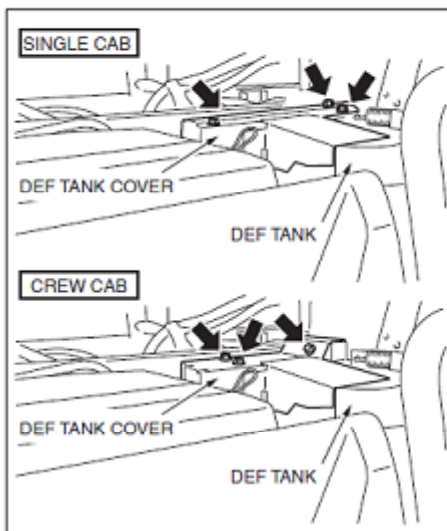
- (1) Unfasten the 2 J-bolts and 2 nuts to remove the tank band from the tank bracket and DEF tank.



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3. REMOVING THE DEF TANK COVER

- (1) Unfasten the bolts (3 pcs.) to remove the DEF tank cover from the DEF tank.



SELECTIVE CATALYTIC REDUCTION (SCR)

GENERAL DESCRIPTION

EN0110610C100002

- **What is SCR?**
SCR is an abbreviation of "Selective Catalytic Reduction", a general term for aftertreatment equipment which promotes a chemical reaction by using a catalyst for eliminating or detoxifying particular chemical ingredients. To meet the EPA2010 regulation the vehicle out NOx level will be extremely close to zero (0.2 grams per brake horsepower). By mixing the NOx with the ammonia contained in DEF, it will be separated it to harmless water and nitrogen. It is an extremely effective, dependable efficient and economical selection.
- **What is DEF?**
DEF is an abbreviation for "Diesel Exhaust Fluid", a solution made from 67.5% purified water and 32.5% automotive-grade urea that serves as a carrying agent for the ammonia needed to reduce nitrogen oxide (NOx) emissions from diesel engines. When DEF is injected into the engine exhaust gas downstream of the DPR filter, it will be rapidly hydrolyzed producing the oxidizing ammonia needed by the SCR catalyst to complete NOx emissions reductions.
- The system consists of the DEF adding device and its accessories, SCR (Selective Catalytic Reduction) catalyst, DCU, and sensors.

ADD

CAUTION

- Do not add solutions other than DEF in the DEF tank.
- Make sure to add API-compliant DEF. It is urea solution with a 32.5% concentration. Addition of DEF other than the above or diluted DEF into the DEF tank will not only deteriorate exhaust gas but will also damage the DEF pump and DEF injector.
- If diesel fuel has been mistakenly added into the DEF tank.
Once the engine is started and DEF pump is activated, diesel fuel will enter the DEF piping, DEF pump and DEF injector. If diesel fuel has entered the DEF piping, DEF pump and DEF injector, replace them along with DEF tank and DEF sensor. If the engine has not yet been started, the areas exposed to diesel fuel are only the DEF tank and the DEF piping inside the tank. Disconnect the piping from the DEF tank and replace the DEF tank and DEF sensor. In this case, no other parts need to be replaced.