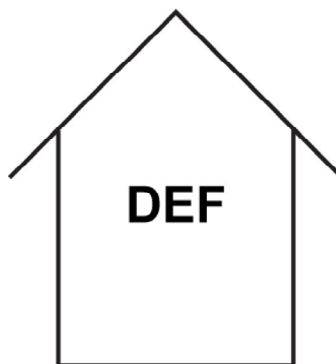




Technical Information Bulletin

43-059



Section

Inlet/Exhaust/Aftertreatment - 43

Subject

Storage of Individual UL2 Aftertreatment Diesel Exhaust Fluid (DEF) System Components

Release Date

5/10/2019

Condition

This document is intended for UL2 aftertreatment diesel exhaust fluid (DEF) systems and outlines how to store individual components with the intent of being reused after storage. Storage time is not to exceed two years.

Chassis Affected

All chassis equipped with PACCAR MX Engines and a Diesel Exhaust Fluid (DEF) system.

For Cummins powered chassis with a DEF system, refer to Cummins bulletin [5504262](#) (you may be prompted to log in to Cummins QuickServe after clicking the link).

Action

Information Only

Use this procedure whenever a chassis equipped with a DEF system will be stored for a significant length of time.

Warranty

This process is not covered by any PACCAR warranty.

Parts

Parts are available from PACCAR Parts and Cummins

Quantity	Part Number	Description
1	Clean bucket with 1 gallon or more capacity	Source Locally
As Required	Distilled water	Source locally
1	5299193 (Cummins p/n)	(Source from Cummins) Aftertreatment clean care kit
1	5394236 (Cummins p/n)	(Source from Cummins) DEF clean care kit
1	2122909PE	Filter Kit – DEF Pump, EPA17
1	2014774PE	Filter Kit – Def Pump, EPA13
1	2028048PE	Gasket, DEF Doser
1	2127614PE	DPF Pump inlet screen/AdBlue pre-filter – Aftertreatment injector kit EPA17

Procedure

Preparing for Storage of Individual Components

1. Drain DEF from the DEF tank and aftertreatment DEF dosing system components. Follow local procedures for proper disposal of DEF.
2. Clean the inside of the DEF tank. See [TIB 43-024](#) for instructions.
3. Fill the DEF tank with distilled water.
4. Perform the “test DEF dosing valve” procedure three times per the Rapido procedure.
5. Remove the DEF lines from the DEF dosing valve. Cap the DEF dosing valve inlet and outlet and then plug the aftertreatment DEF lines with plugs from aftertreatment clean care kit, Cummins Part Number 5299193, to reduce the possibility of debris entering the system (water can stay inside of the DEF dosing valve). Cover the electrical connectors with tape, Cummins Part Number 4919420. Place the DEF dosing valve in a cardboard or plastic box. Store it in a clean and dry environment protected from weather. Do not store it in direct sunlight.
6. Remove the DEF suction line and pressure line from the DEF dosing unit.
7. Remove the main filter from the DEF dosing unit. Refer to the “replace DEF filter” procedure in Rapido.
8. Use DAVIE4 to perform the “test DEF dosing valve” while applying 94 psi [650 kPa] compressed air at the DEF pump module inlet and outlet connectors for 40 seconds each to dry DEF dosing unit.
9. Install a new main DEF dosing unit filter. Refer to the “replace DEF filter” procedure in Rapido.
10. Cover the aftertreatment DEF connectors and exposed connections on aftertreatment DEF lines. Use protective caps from aftertreatment DEF clean care kit, Cummins Part Number 5394236. Cover electrical connectors with tape, Cummins Part Number 4919420.
11. Place the DEF dosing unit in a cardboard or plastic box and store in a clean and dry environment protected from weather. Do not store in direct sunlight.

Removing from Individual Storage

1. Clean the inside of aftertreatment DEF tank. See equipment manufacturer service information.
2. Inspect the aftertreatment DEF dosing system component electrical connections for any sign of corrosion.
3. Install the aftertreatment DEF dosing system components, if previously removed.
4. Fill the aftertreatment DEF tank with DEF.
5. Activate the DEF dosing system. Use DAVIE4 to perform the "test DEF dosing valve" per the Rapido procedure.
6. Install the aftertreatment DEF dosing valve. Refer to Rapido procedure "replace DEF filter".

Authored by: OF

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