



going the extra mile

Dinex Technical Service Bulletin

Document No: 5EL071

Release Date: September 1st, 2023

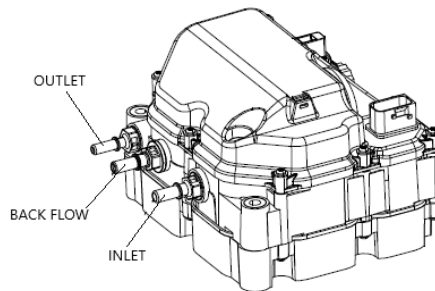
Dinex DEF Dosing Pump New backflow connector and part compatibility

Table 1, Parts That are Affected		
Engine	Dinex PN#	OEM PN#
Cummins	5EL055	3838069C1, 3838069C2, 4387304, 4387304NX, 4387304RX, 4817931, A052B661, 2871879, 2871879NX, 2871879RX
Cummins	5EL056	4387657, 4387657NX, 4387657RX, 4387657CUM, 2871879, 2871879NX, 2871879RX
Cummins	5EL057	4387658, 4387658NX, 4387658RX, 4387658CUM, A052U285, A662102, 2880158, A028Y793, 2871880, 2871880NX, 2871880RX
Cummins	5EL058	4387305, 4387305NX, 4387305RX, A052B705, 2871880, 2871880NX, 2871880RX

Issue: - The after-treatment Diesel Exhaust Fluid (DEF) dosing lines are **not** fully purged during the purge cycle. This can result in internal cracking of the aftertreatment DEF dosing Pump and leakage of DEF.

Solution: - Dinex DEF pumps (Table 1) come with a new version of back flow connector for 5EL055 and 5EL058. No replacement of the backflow connector is needed. Equivalent to OEM specification.

Dinex is offering backflow connector, part number to purchase is 5EL014, which is equivalent to the OEM part number is 4387302. (Pic.1). The new backflow connector torque should be 4.5 N-m.



Pic.1

Service Instructions

Case 1: If the pump is one of the OEMs manufacturers listed below in Table 2 the aftertreatment DEF dosing pump does **not** meet reuse guidelines.

Solution 1: Use the DEF dosing pump, Part number 5EL056 or 5EL057 with existing backflow connector.

Case 2: If the pump is **not** an OEM listed in Table 2 below and the aftertreatment DEF dosing pump does not meet reuse guidelines.

Solution 2: Use the DEF dosing pump, Part number 5EL055 or 5EL058 with revised backflow connector.

Case 3: If the pump is **not** a Dinex product the backflow connector does not meet reuse guidelines.

Solution 3: The revised backflow connector, Part Number 5EL014 (4387302) **must** be used.



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Case 4: If the pump is one of the OEMs listed below in Table 2 and **only** the backflow connector does not meet reuse guidelines.

Solution 4: The existing backflow connector, Part Number 5EL016 (F 00B H40 308, 4387659), **must** be used.

Table 2, OEM Vehicle				
New Flyer	Van Hool	Tiffin	Terex	TEMSA
Sutphen	Spartan Motors Inc.	Seagrave	Rosenbauer	Pierce
Oshkosh	Nova Bus	Newell	NABI	MCI
Lodal Inc.	Linkbelt	KME	HME	Grove
Ferrara	Emergency One	Autocar LLC		

Service Part Availability

Service Parts are available. See Tables 3, 4, and 5 below.

Identification of DEF Dosing Pump:

- The Voltage rating (12 volt or 24 volt) is stamped into the outer housing of DEF dosing pump next to electrical connection or lookup in our web shop.
- Gray electrical connector face on electrical harness indicates a 24-volt Pump.
- Black electrical connector face on electrical harness indicates a 12-volt Pump.
- Electrical connectors are keyed differently and are **not** interchangeable.

Table 3, Revised Backflow Connector and Aftertreatment DEF Dosing pumps with Revised Backflow Connector	
Part Description	Dinex Part Number
Backflow Connector	5EL014
Supply Module 12 VDC	5EL055
Supply Module 24 VDC	5EL058

Table 4, Existing Backflow Connector and Aftertreatment DEF Dosing pumps with Existing Backflow Connector	
Part Description	Dinex Part Number
Backflow Connector	5EL016
Supply Module 12 VDC	5EL056
Supply Module 24 VDC	5EL057

Table 5, Discontinued Backflow Connector and Discontinued Aftertreatment DEF Dosing Pump	
Part Description	OEM Part Number
Backflow Connector	2888180
Supply Module 12 VDC	2871879
Supply Module 24 VDC	2871880

If you have any questions about these changes, please contact technical support manager:

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