

Service Bulletin No. 3077

MODEL	D / E / J Series Coaches	Service Information	SECTION/GROUP 8 Engine	Dec. 21, 2012	
DIESEL EXHAUST FLUID (DEF) FILL CAP VENTING					
CONDITION	vs	Service Information Only	,		

Description:

MCI is notifying our customers at the request of Shaw Development that the diesel exhaust fluid (DEF) tank cap requires routine cleaning to prevent the potential for crystallization build up at the vent.

The presence of crystallization build up at the vent may result in potential vacuum issues which could result in collapsing of the tank walls.

MCI customers are instructed to follow the steps and instructions in the attached Shaw Development Technical Bulletin TB 2472, including observing all warnings and cautions therein every month. In addition, steps should be taken to ensure that the tank is not over—filled as this may accelerate the potential for crystallization build up in the cap vent.

In the event that the operator notices a vacuum in the DEF tank when removing the cap to fill the tank, the cap should be cleaned per the steps and instructions in the attached Shaw Development Technical Bulletin TB 2472 as soon as possible regardless of the one (1) month preventative maintenance schedule interval.

Qty.	New P/N	<u>Description</u>
a/r	08-20-2206	Cap Assembly, Diesel Exhaust Fluid (DEF) Tank, w/o laynard

Procedure complete.



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TB-2472 REV - A

CLEANING THE DEF FILL CAP ASSEMBLY INSTRUCTIONS

DEF RESERVOIR ASSEMBLIES

DEF Reservoir Assembly Fill Caps

TB-2472 REV - A Page 2 of 12

APPROVAL SUMMARY

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TB-2472 REV - A Page 3 of 12

INDEX OF REVISIONS

REVISION	DESCRIPTION	APPROVED BY/
		DATE
-	Initial release	CM
А	Included newly revised cap	JAV 11/16/12

TB-2472 REV - A Page 4 of 12

TABLE OF CONTENTS

SECT.	DESCRIPTION	PAGE
1.0	INTRODUCTION:	5
1.1	PURPOSE:	5
2.0	APPLICABLE UNITS:	5
3.0	CLEANING CONDITIONS:	5
4.0	CAP REMOVAL AND REPLACEMENT PROCEDURE:	6

TB-2472 REV - A Page 5 of 12

1.0 INTRODUCTION:

1.1 PURPOSE:

The purpose of the document is to describe the process involved in cleaning the DEF Fill Cap assemblies. Cleaning the cap will prevent crystallization build-up and minimize venting related issues. This procedure should be performed monthly for vehicles operating under "standard" conditions. If there are signs of venting issues (ex. vacuum release when cap is removed) the cap should be cleaned as quickly as possible.

2.0 APPLICABLE UNITS:

DEF CAP ASSEMBLIES:

DEF Reservoir Assembly Fill Caps

P/Ns: 908-0239-01, 02, & 03

908-0550-01, 02, & 03

3.0 CLEANING CONDITIONS:

Unless otherwise specified, all procedures are conducted at and at room temperatures of 49°F to 90°F.

CLEANING MEDIA:

Unless otherwise specified, the fluid used for all procedures shall be water.

TB-2472 REV - A Page 6 of 12

4.0 CAP REMOVAL AND REPLACEMENT PROCEDURE:

 Wipe off the cap and adapter to prevent any debris from entering the reservoir. This helps prevent against contamination and possible damage to the SCR system.



2) Grip the cap and turn counter clockwise unit the cap stops turning.



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TB-2472 REV - A Page 7 of 12

3) Pull the cap off of the adapter (If the cap has a lanyard, it will still be attached to the reservoir).

Lanyard Only Caps: Take the lanyard attached to the Lanyard Tab of the cap and slide it over the tab so that the cap can be removed.





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TB-2472 REV - A Page 8 of 12

4) Place the cap in a bucket of water and allow it to soak for approximately five (5) minutes.



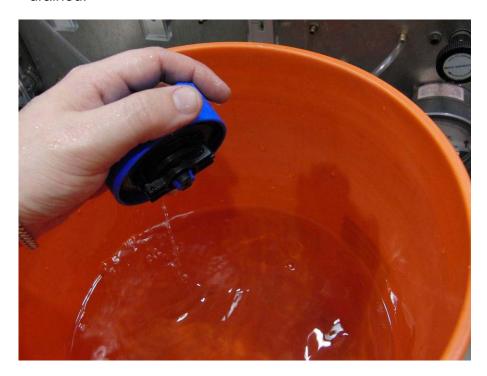
5) After soaking, grip the cap and shake vigorously while underwater to break up and loose and/or remaining DEF within the cap assembly.



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TB-2472 REV - A Page 9 of 12

6) Shake cap so that any remaining water within the cap assembly is drained.



7) Blow off cap to remove any retained water, to prevent freezing when operating in colder climates.



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TB-2472 REV - A Page 10 of 12



8) Wipe down the fill port adapter with a damp cloth before replacement of the cap. Take the cap and replace with the grooves on the cap fitting into the notches on the fill port adapter.



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TB-2472 REV - A Page 11 of 12



9) Turn the new cap clockwise until it stops.



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TB-2472 REV - A Page 12 of 12

Lanyard Only Caps: To re-attach the lanyard, take the small opening of the lanyard and slide it over the Lanyard Tab of the cap so that it fits into the groove.





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