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Other Languages: NONE **Author:** Mujtaba Aidroos
Viewed: 1140

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Coding Information

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Title: DEF Dosing Valve - Mechanical system not responding

Applies To: N13 SCR Models

CHANGE LOG

Please refer to the change log text box below for recent changes to this article:

11/7/2018 - Added additional part number in last row of possible hose lengths
07/28/2017 - Initial Article Release

DESCRIPTION

This document will guide the user through rerouting of the DEF line due to fault 5394-7

SYMPTOM(s)

Fault 5394-7 active will not clear

Diagnostic Trouble Code(s) & Dashboard Indicator Light(s):

DTC/Light	Description
SPN 5394 FMI 07 (link to FCAP)	DEF Dosing Valve - Mechanical system not responding

Customer Observations or Concerns:

Service Engine Soon Light
Low Power

SPECIAL TOOL(s) / SOFTWARE

Tool Description	Tool Number	Comments	Instructions
N/A			

[Tools Resource Center](#)

SERVICE PARTS INFORMATION

Possible Hose Lengths Available:

4020974C1	2.6M with 6mm ID	5/16-180 x 5/16-90
4022027C1	2.89M with 6mm ID	5/16-90 x 5/16-90
4039532C1	3.465M with 3mm ID	5/16-180 x 5/16-90
4039509C1	3.425M with 3mm ID	5/16-180 x 5/16-90
4069122C1	2.2M with 6mm ID	5/16-180x5/16-90

DIAGNOSTIC STEP(s)

Step	Action	Decision
#1	DIAGNOSTIC: Does the DEF line have an arch in it? Please reference pictures below.	Yes. Check the Doser for crystallization.
		No. Add an arch to the hose based on the example pictures below and retest for fault.

Arch Examples
Item 1: No Arch Item 2: With Arch

Item #1



Item #2



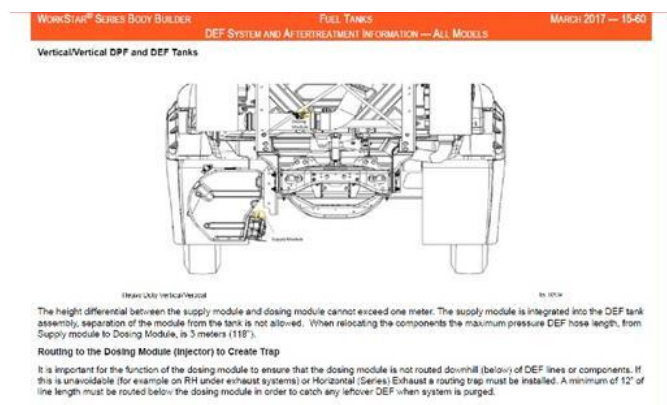
REPAIR STEP(s)

If line is not long enough, install longer line with enough slack to create the arch.

Please follow the link below. The information will be based on the model you are working with and the information will be in the fuel tank section of the document:

<https://evaluate.internationaldelivers.com/sales/adobe/saleinfo/ctdocmain.asp>

The example below is for a Workstar:



WARRANTY INFORMATION

Warranty Claim Coding:

Refer to the [Warranty Coding Manual](#) for Group and Noun Codes.

Standard Repair Time(s):

Refer to the [SRT Manual](#) for Repair Times

OTHER RESOURCES

[Master Service Information Site](#)

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