

**SB-10054570-1783**

## Technical Information Bulletin

**43-032**

### Section

Exhaust - 43

### Subject

DEF Line Routings for 2013 Emission Right Hand Under Cab (RHUC) Exhausts, manufactured 04/01/2013 to 06/10/2013.

### Release Date

10/7/2013

### Revision

**11/1/2013** - Chassis list was updated to reflect correct part length for new hose.**10/7/2013** - Removed 80 chassis that were manufactured with the correct DEF line.

### Condition

Chassis affected have DEF lines routed incorrectly which may cause error code P3859 (MX Engine) and P3568 (Cummins), DEF doser not responding or out of adjustment fault.

### Chassis Affected

374 T660/T700 Aero trucks with Right Hand Under Cab exhaust with VOSS DEF hose manufactured between 04/08/2013 and 06/28/2013.

### Action

## CAMPAIGN

Review the attached chassis list for your dealer code and schedule your customer(s) for service if their chassis is on the list. Service all chassis affected that enter your dealership, even if the customer has no issue with the chassis. Use the attached procedure. Review the DWC or SIR online systems for "Complete" next to the "43-32" campaign code prior to performing this repair.

*NOTE: Chassis affected are so new that Kenworth may not have customers' names and addresses registered. Please contact your customers or check your lot for these chassis.*

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## Warranty

This emissions campaign does not expire. Kenworth will pay for parts at dealer net, plus applicable mark-up and labor. File the appropriate Quick Claim or long claim form, if required.

Quick Claim **43-32A**; DEF hose M50-6031-71231200 and 0.5 hours labor

Quick Claim **43-32B**; DEF hose M50-6031-71231700 and 0.5 hours labor

Quick Claim **43-32C**; DEF hose M50-6031-71232000 and 0.5 hours labor

Quick Claim **43-32D**; DEF hose M50-6031-71232500 and 0.5 hours labor

Quick Claim **43-32E**; DEF hose M50-6031-71232600 and 0.5 hours labor

Quick Claim **43-32F**; DEF hose M50-6031-71232700 and 0.5 hours labor

Quick Claim **43-32G**; DEF hose M50-6031-71232800 and 0.5 hours labor

### CLAIM CODING

Failure Location: 043-007-901

Work Accomplished: 35

Failure Type: 700

Responsibility Code: 01

SRT Code: 043-XXX

Supplier Code: NA

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## Parts

Parts are available from PACCAR parts.

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## Background

The fitting on the doser side RHUC Aero Exhaust went from a straight fitting to a 90-degree fitting at the implementation to VOSS lines. This fitting forced the line downward before it could route back up to the rail or to the tank. This dip in the line can lead to possible DEF pump priming issues, crystallization, and subsequent fault codes.

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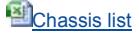
## Procedure



### Follow Routing Instructions

1. If chassis has no active codes present, reroute the DEF line according to attached procedure.
2. For chassis with active codes present, follow appropriate troubleshooting steps AFTER rerouting DEF lines.
3. For **MX powered** chassis with RC4 software, with P1514, P1518 or P151A active codes, contact the ESC for service level key and use the DEF Operator Interface disable to temporarily disable the de-rates caused by the P3859 fault. This will allow the technician to operate the vehicle normally and get the diagnostic routine to run and ensure that the condition that triggered the P3859 has been corrected. Refer to the OBD Repair Verification Cycles Steady-state and DEF doser & SCR drive cycles for the appropriate conditions that will allow the diagnostic to run.
4. The DEF pressure line from the tank to the doser must be routed such that the last 18 inches of line are at a 10-degree minimum downward inclination.

## **Attachments**

[Chassis list](#)[Customer Letter TIB 43-032](#)

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