

<b>Technical Service Bulletin Number</b>
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TSB150060
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## Technical Service Bulletin

### Subject

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New Crankcase Breather Tube Hose Clamps for Part Option BR9277

### Warranty Statement

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The information in this document has no effect on present warranty coverage or repair practices, nor does it authorize TRP or Campaign actions.

### Contents

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This document announces the release of two new hose clamps for crankcase breather, Part Option BR9277.

#### Product Affected

- ISL G CM2180

#### Description of Change

A spring loaded hose clamp, Part Number 3925089, has been released for the connection from the crankcase breather assembly to molded elbow.

The worm gear hose clamp, Part Number 0043828, has been released for the connection from the molded elbow to crankcase breather tube.

Earlier BR9277 options utilized a straight molded rubber adapter to connect the breather to the breather tube. When upfitting an engine equipped with the straight molded rubber adapter. A spring loaded hose clamp, Part Number 3925089, **must** be installed for the connection from the crankcase breather assembly to molded rubber adapter.

The worm gear hose clamp, Part Number 0043828, **must** be used for the connection from the molded rubber adapter to crankcase breather tube.

### Reason for Change

Under conditions of excessive engine crankcase pressures, the molded rubber connection of the crankcase ventilation tube can detach from the crankcase breather assembly.

Cummins Inc. recommends that the new hose clamps, Part Numbers 3925089 and 0043828, be installed on both ends of the molded rubber adapter of the crankcase breather tube to prevent the crankcase breather tube from possibly detaching during high crankcase pressure conditions.

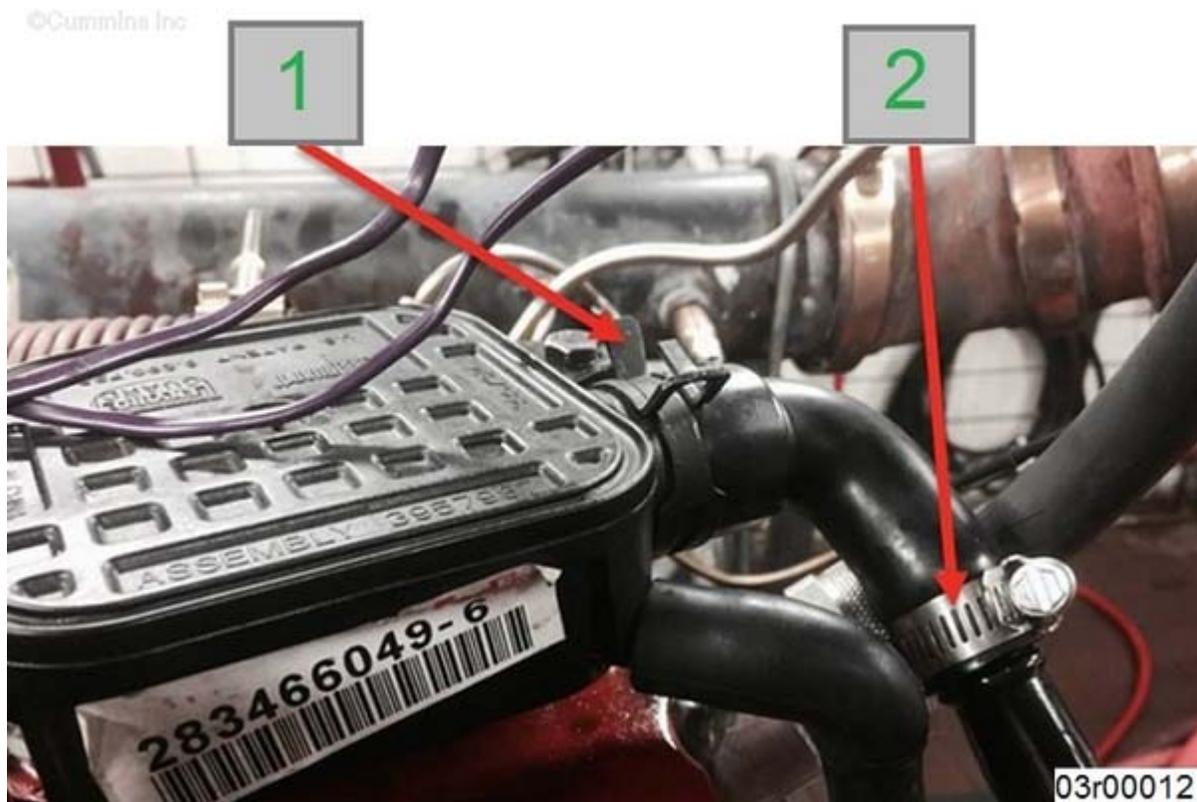


Figure 1, Number 1 Left: Spring Hose Clamp, Part Number 3925089. Number 2 Right: Worm Hose Clamp, Part Number 43828.

**NOTE:** Closed crankcase ventilation systems, Part Options BR9486 and BR9501, are supplied with hose clamps and are not impacted by this change. See Figure 2 below for an illustration of a closed crankcase ventilation system.

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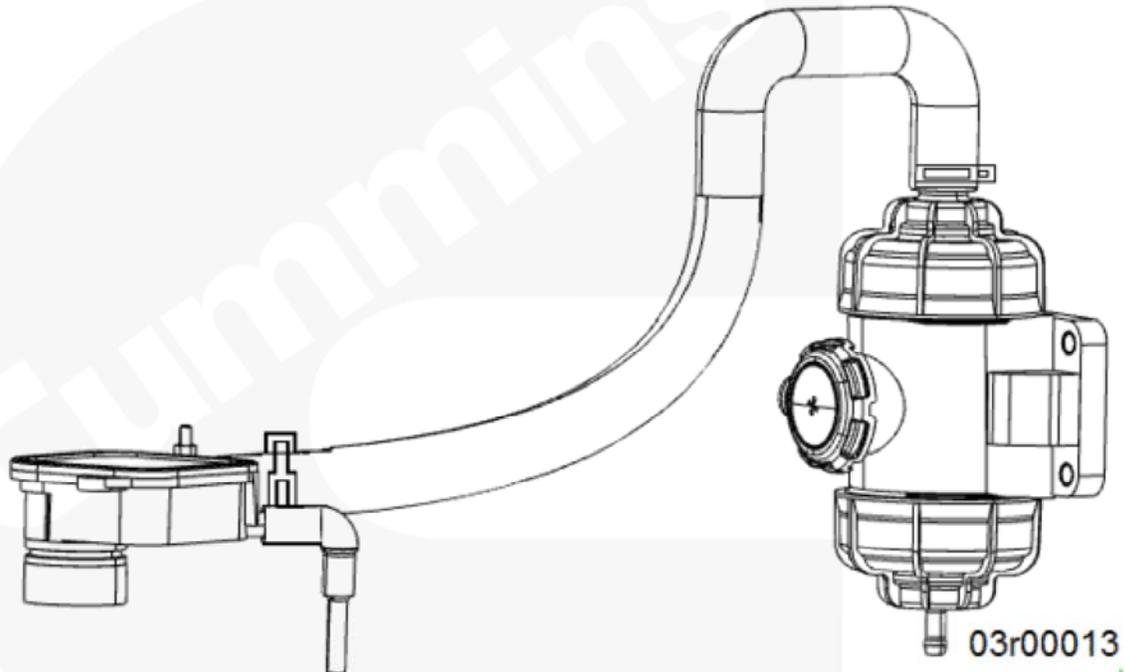


Figure 2, Closed Crankcase Ventilation System with Clamps

### Service Instructions

To install the new crankcase breather hose clamps perform the following steps:

1. Remove molded rubber adapter from the crankcase breather assembly by gently pulling.



Figure 3

2. Remove molded rubber adapter from crankcase breather tube by gently twisting connection while pulling.
3. Loosely install the hose clamps on the connection. See Figure 4 for 90 degree connection and Figure 5 for straight connection.



Figure 4



Figure 5

4. Install the molded rubber adapter by pushing the molded rubber adapter onto the crankcase breather tube, then onto the crankcase breather assembly.
5. Move spring loaded hose clamp over the barb on the breather assembly.



Figure 6

6. Move worm gear hose clamp over barb on crankcase breather tube. Tighten capscrew.

**Torque Value:** to 1.5 N•m [ 13 in-lb ]

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Figure 7

### Service Parts Availability

Service parts are available. See Table 1 for part numbers.

Table 1, New Hose Clamp Part Numbers for Part Option BR9277	
Part Description	Part Number
Spring Hose Clamp	3925089
Worm Hose Clamp	43828

### Production Status

Implemented for production. See Table 2.

Table 2, Production Information		
Engine Serial Number (ESN) First	Build Date <sup>1</sup>	Plant
73831775	08-April-2015	Rocky Mount Engine Plant
<sup>1</sup> Engine build date can be found on the engine dataplate.		

### Document History

Date	Details
2015-5-1	Module Created
2015-5-19	QSOL Work Order
2015-7-8	Added Figure 5 and associated text

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**Last Modified: 13-Jul-2015**

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