



# Technical Service Bulletin

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<b>Technical Service Bulletin:</b> TSB190085	<b>Released Date:</b> 21-May-2019
<b>Bosch® VE, VP-14 or VP-30 ReCon Fuel Pump Kit Update</b>	

## Bosch® VE, VP-14 or VP-30 ReCon Fuel Pump Kit Update

### 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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#### Product Affected

Engine:

- 4B3.9
- 6A3.4
- 6B5.9
- B GAS INTERNATIONAL CM556
- B4.5
- B4.5 CM2350 B129B
- B4.5 CM2350 B146C
- B4.5 CM2350 B147B
- B4.5 RGT
- B4.5S
- B5.9 G
- B5.9 GAS PLUS CM556
- B5.9 LPG
- B5.9 LPG PLUS CM556
- B6.7 CM2350 B121B
- B6.7 CM2350 B135B
- B6.7 CM2350 B136C
- B6.7 CM2350 B148B

- B6.7 G CMOH6.0 B125
- B6.7N CM2380 B150B
- B6.7S, F3.8 CM2350 F120B
- F3.8 CM2350 F128C
- F3.8 CM2350 F132B
- F3.8 F102
- G3.9, G5.9
- G5.9 CM558
- ISB (CHRYSLER)
- ISB CM2150
- ISB CM2150 E
- ISB CM550
- ISB CM850
- ISB/ISD4.5 CM2150 B119
- ISB/ISD4.5 CM2150 SN
- ISB/ISD6.7 CM2150 B120
- ISB/ISD6.7 CM2150 SN
- ISB/ISD6.7 CM2880 B126
- ISB3.9 CM2220 B107
- ISB4.5 CM2150
- ISB5.9G CM2180
- ISB6.7 2010 DCX PICKUP
- ISB6.7 2013 DCX CHASSIS CAB
- ISB6.7 CM2150 SQ
- ISB6.7 CM2250
- ISB6.7 CM2350 B101
- ISB6.7 CM2350 B103
- ISB6.7 CM2350 B142
- ISB6.7 CM2670 B153B
- ISB6.7 G CM2180 B118
- ISBE CM2150
- ISBE CM800
- ISBE2/ISBE3 CM850
- ISBE4 CM850
- ISD4.5 CM2150
- ISD6.7 CM2880 D101
- ISF2.8 CM2220
- ISF2.8 CM2220 AN
- ISF2.8 CM2220 EC

- ISF2.8 CM2220 ECF2
- ISF2.8 CM2220 F101
- ISF2.8 CM2220 F117
- ISF2.8 CM2220 F122
- ISF2.8 CM2220 F126
- ISF2.8 CM2220 F129
- ISF2.8 CM2220 IAN
- ISF3.8 CM2220
- ISF3.8 CM2220 AN
- ISF3.8 CM2220 F103
- ISF3.8 CM2220 F110
- ISF3.8 CM2220 F116
- ISF3.8 CM2220 F134B
- ISF3.8 CM2220 IAN
- ISF3.8 CM2350 F109
- ISF4.5 CM2220 F123
- ISG11 CM2880 G106
- ISG11 CM2880 G108
- ISG12 CM2880 G107
- ISG12 CM2880 G109
- ISG12 G CMOH6.0 G111
- QSB3.9 30 CM550
- QSB3.9 CM2880 B138
- QSB4.5 30 CM550
- QSB4.5 CM2150 B108
- QSB4.5 CM2250 B131
- QSB4.5 CM2250 EC
- QSB4.5 CM2350 B106
- QSB4.5 CM2350 B122

#### Fuel Pump:

- Bosch® VE
- Bosch® VP-14
- Bosch® VP-30

#### **Description of Change**

Existing fuel pump gear, Part Number 3936021, has been obsoleted and superseded by a new redesigned gear, Part Number 4932713.

New fuel pump gear design was changed to extend 3 mm into center hub of part number

4932713 to allow the gear to contact the driveshaft away from machined keyway.

Web holes on new fuel pump gear have been changed to help distinguish between existing and new gears. See Figure 1 below.

### Reason for Change

Engines utilizing the Bosch® VE, VP-14 or VP-30 ReCon® fuel injection pump have had customer complaints of no start, low power, engine stall, and/or engine shutdown.

An inspection during troubleshooting reveals that fuel pump driveshaft is fractured at end of keyway toward the fuel pump housing. This malfunction can occur due to fuel pump gear design that creates a high stress point on the back of the keyway on the pump driveshaft where the fuel pump gear and/or gear housing can become damaged.

### Service Instructions

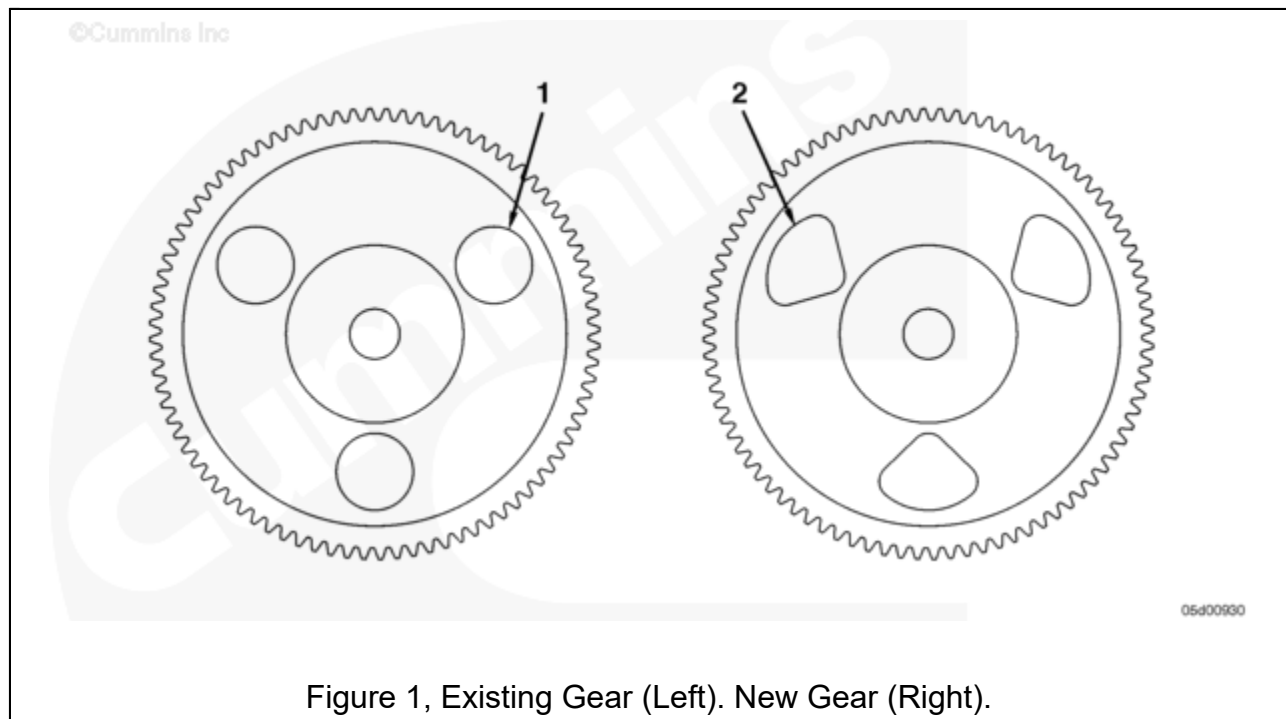
New fuel pump gear is a serviceable component by itself and is also included in newly released fuel pump kits for available updated gear design kits.

### Service Parts Availability

Service parts are available. See Table 1 below.

<b>Table 1, Service Parts</b>				
<b>Part Description</b>	<b>Existing Part Number</b>	<b>Obsolete</b>	<b>Superseded</b>	<b>New Part Number</b>
Fuel pump (kit)	3965402RX	Yes	Yes	5473080RX
Fuel pump (kit)	3965403RX	Yes	Yes	5473081RX
Fuel pump (kit)	3965404RX	Yes	Yes	5473082RX
Fuel pump (kit)	3965405RX	Yes	Yes	5473083RX

### Part Identification



1. Existing gear, Part Number 3936021

- Round hole shape

2. New gear, Part Number 4932713

- Triangular hole shape

## Document History

Date	Details
2019-5-21	Module Created

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**Last Modified: 21-May-2019**

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