

SB-10048644-2121**Service Information System**

Shutdown SIS

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Product: NO EQUIPMENT SELECTED
Model: NO EQUIPMENT SELECTED
Configuration: NO EQUIPMENT SELECTED

Service Letter**PRODUCT SUPPORT PROGRAM FOR REPLACING THE CHECK VALVE AND REGULATOR ON CERTAIN C13 ON-HIGHWAY ENGINES**

Media Number -REBE9063-00

Publication Date -18/10/2012

Date Updated -18/10/2012

Caterpillar: Confidential Yellow**REBE9063-00****SERVICE LETTER**

180ct2012

U-549
TT-4***Before/After*****PRODUCT SUPPORT PROGRAM FOR REPLACING THE CHECK VALVE AND REGULATOR ON CERTAIN C13 ON-HIGHWAY ENGINES****1274****PS43726****NOTE:**

This Program must be administered either before or after failure. In either case the decision whether to apply the Program is made by the dealer. When reporting the repair, use "PS43726" as the Part Number and "7755" as the Group Number. If administered before failure, use "56" as the Warranty Claim Description Code and "T" as the SIMS Description code. If

Caterpillar: Confidential Yellow

administered after failure, use "96" as the Warranty Claim Description Code, and "Z" as the SIMS Description Code.

NOTE:

The information supplied in this service letter may not be valid after the termination date of this program. Do not perform the work outlined in this Service Letter after the termination date without first contacting your Caterpillar product analyst.

TERMINATION DATE

31oct2013

PROBLEM

The existing check valve can allow fuel pressure to remain in the head once the **engine** is shut off which may allow some fuel to leak from the injectors on certain C13 On-Highway **Engines** in fire truck applications. Pressurized fuel leaking from the injector can in some light load application cause an increase percentage of fuel seen in oil samples which reduces the oil viscosity.

AFFECTED PRODUCT

Model	Identification Number
C13	LEE01498, 3111, 5664, 6822, 7393, 7414, 7425, 7441, 7446, 8436, 9104, 9144, 9352, 9797, 10346, 10350, 10684, 10838, 11500, 11971, 12464, 12471, 12510, 12527, 12548, 12625, 13050, 13337, 13364, 13715, 13765, 13784, 13801, 13846, 13960, 13986, 14432, 14527, 14544, 14559, 14592, 14779, 14927, 15045, 15180, 15300, 15927, 16144, 17707, 17717, 17784, 17787, 17792, 17799, 18030, 18143, 18182, 18240, 18365, 18417, 18642, 18651, 18661, 18851, 18879, 18892, 18894, 19192, 19217, 19625, 19674, 19895, 19957, 19959, 19968, 20008, 20130, 20402, 20435, 20887, 20950, 21000, 21236, 21310, 21687, 21968, 22064, 22390, 22437, 22896, 23027, 23159, 23388, 23446, 23473, 23489, 23500, 23520, 23524, 23527, 23532, 23536-23537, 23539, 23541, 23557, 23573, 23623, 23688, 23710, 23736, 23758, 23816-23817, 23875, 23895, 24015, 24026, 24033, 24145, 24414, 24418, 24424-24425, 24427, 24432, 24473, 24483-24484, 24581-24583, 24593, 24595, 24637-24645, 24648-

Caterpillar: Confidential Yellow

24650, 24679, 24691, 24693, 24702, 24718, 24720, 24733, 24735-24737, 24740-24741, 24743, 24746-24747, 24761, 24765-24767
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PARTS NEEDED

Qty	Part Number	Description
1	3J1907	SEAL-O-RING
1	0680009	COUPLING
1	3270377	VALVE-CHECK
1	3274448	VALVE GP-CHECK-A
In order to allow equitable parts availability to all participating dealers, please limit your initial parts order to not exceed 30% of dealership population. This is an initial order recommendation only, and the ultimate responsibility for ordering the total number of parts needed to satisfy the program lies with the dealer.		

ACTION REQUIRED

If oil fuel dilution is suspected, determine if an excessive amount of fuel is present in the oil by reviewing the customer's oil sample report. If the oil viscosity is below 11.0 centistokes at 100 degrees C with 15w-40 oil and the oil has less than 300 hours of use, file the claim as after failure. If these criteria are not met, file the claim as before failure.

1. Get an ECM download and update into SIMS.
2. Attach the oil sample report to the claim in SIMS, if after failure.

Refer to the attached Rework Procedure.

Caterpillar: Confidential Yellow

SERVICE CLAIM ALLOWANCES

Product smu/age whichever comes first	Caterpillar		Dealer Suggested		Customer Suggested	
	Parts %	Labor Hrs%	Parts %	Labor Hrs%	Parts %	Labor Hrs%
0-300000 miles, 0-72 mo	100.0%	100.0%	0.0%	0.0%	0.0%	0.0%
NOTE: This is a 1.0-hour job						

PARTS DISPOSITION

Handle the parts in accordance with your Warranty Bulletin on warranty parts handling.

Rework Procedure

1. Remove the 030-7947 elbow from the 304-8022 tee. The elbow will not be reused. Image1.1.1 Original Tee Fitting
2. Remove the 001-6286 Straight Fitting from the end of the 308-6339 Hose and replace the 001-6286 Straight Fitting with the 068-0009 90 Degree Fitting.
3. Install the 327-0377 Check Valve into the top of the 304-8022 Tee.
4. Connect the 068-0009 90 Degree Fitting to the 327-0377 Check Valve. Image1.1.2 New Configuration
5. Remove the 233-6742 Check Valve from the bottom of the filter base and replace with the 3274448 Valve. Image1.1.3 Filter Base

Caterpillar: Confidential Yellow

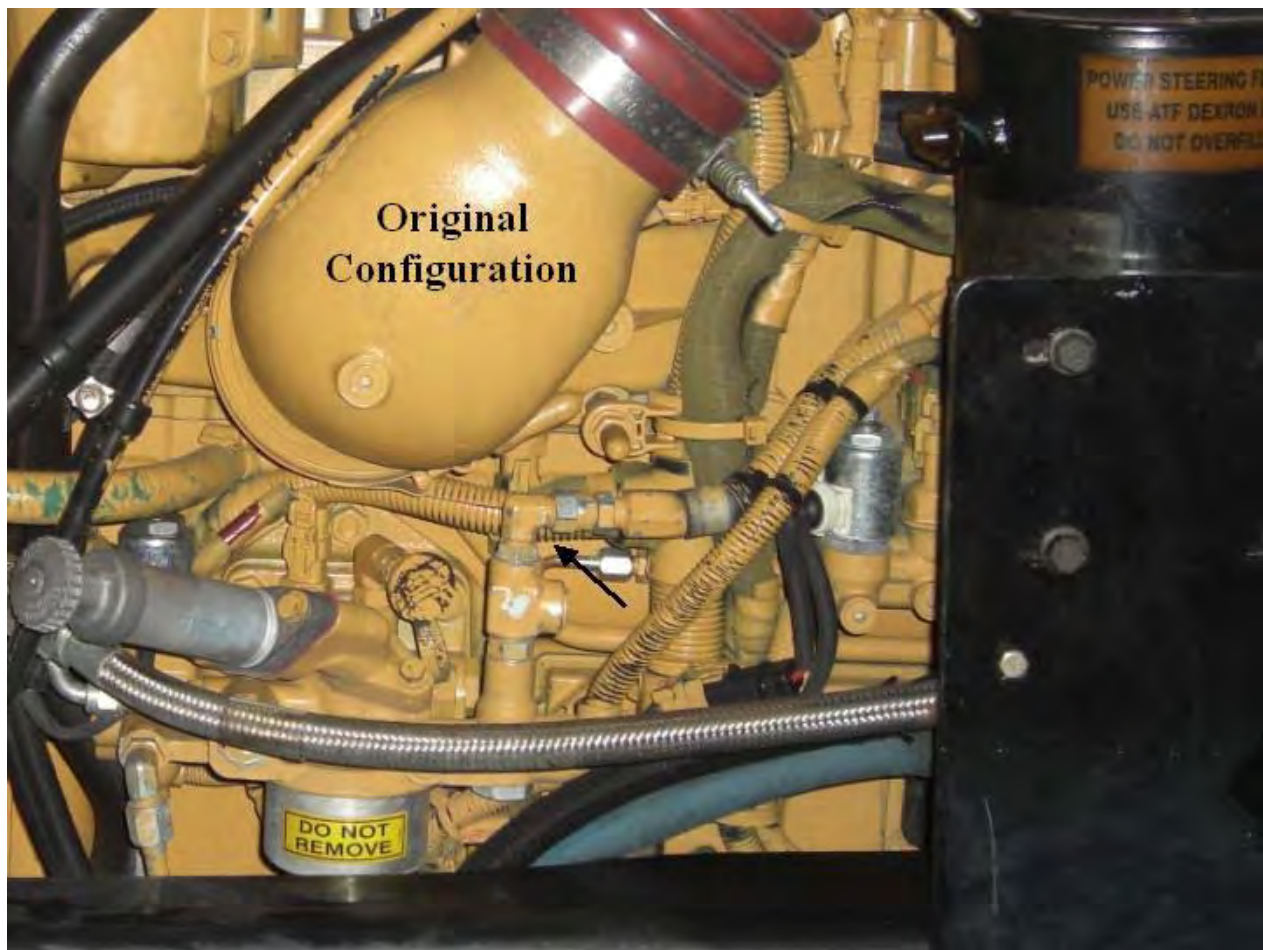


Image1.1.1

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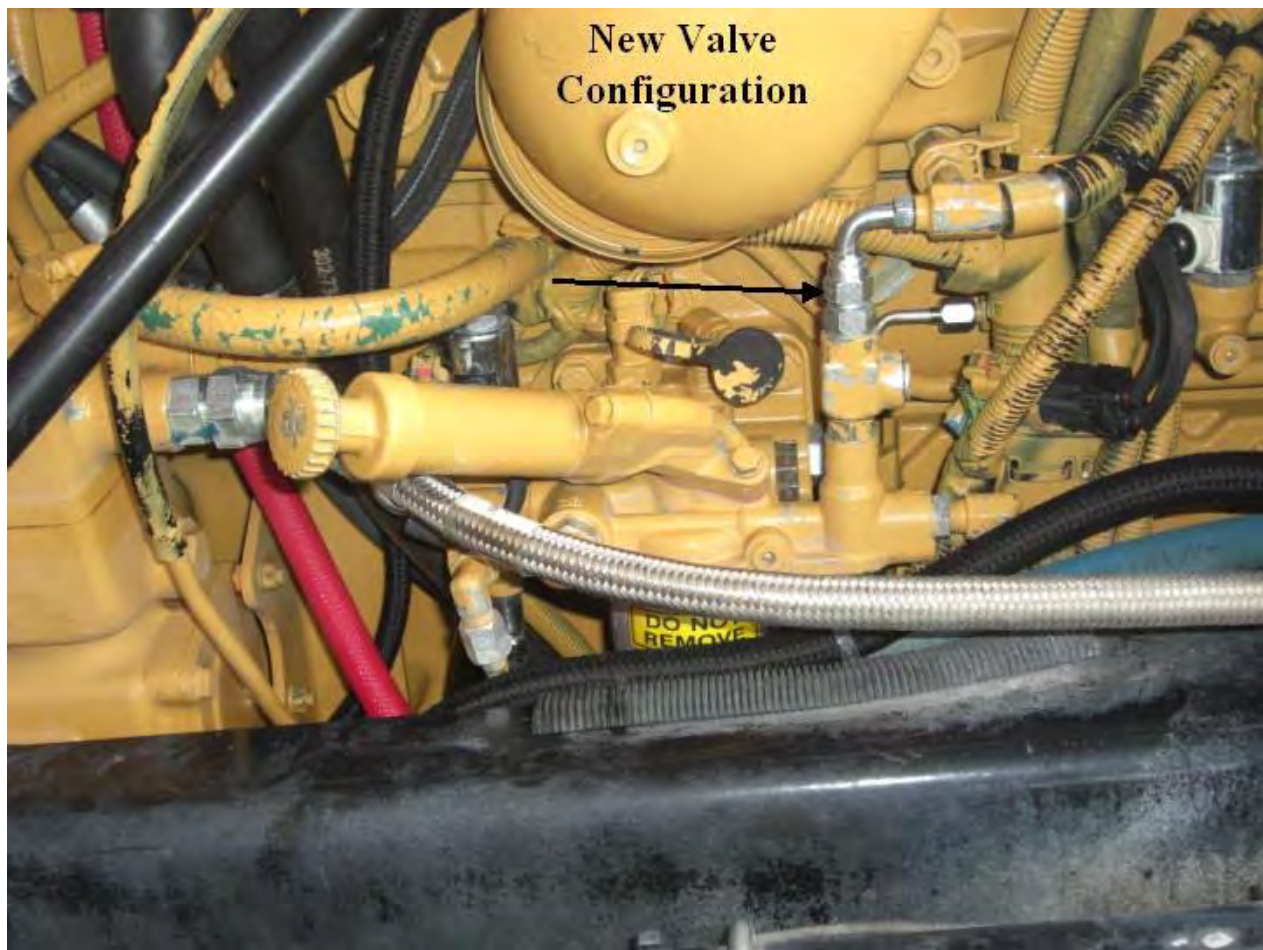


Image1.1.2

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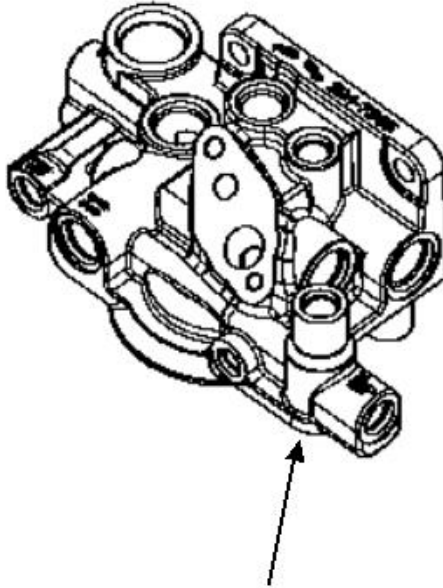


Image1.1.3