



Tech Tip 15-0226-1

Cummins Diesel Oxidation Catalyst (DOC) Fitting Cracking

Complaint We sent our DOC (Diesel Oxidation Catalyst) out to be cleaned and just installed it and now we are receiving codes for pressure issues.

Cause It was recently reported to us that the welded fitting in the DOC was cracked on units. When reinstalled the line to the DOC will not properly tighten and you will receive an error in the reported pressure which causes the code.

Correction When sending a DOC out to be cleaned or checked, make sure you inspect the welded fitting in the DOC closely. If wiped off with a rag or your fingers, it can appear undamaged. You should remove the “DOC”, clean and reinstall the tube when you can put it on the bench to make sure there are no cracks. The only repair is to replace the DOC.

Figure 1 shows the line in the fitting on the DOC.

Figure 2 shows the crack

Figure 3 shows a closer look at the crack

Figure 4 shows a replacement line

NOTE When removing the DOC for cleaning or replacement, you may find the fitting holding the line in the DOC has become corroded. Care must be taken if heat is used on the line as the one line is actually 2 pieces and heating may cause the lines to separate and then not be fully seated which may also cause issues. Figure 4 shows the line; the red arrow indicates the line which may separate, the yellow arrow indicates the point of separation.

“Generally” the line part# is 4965294, but always check by Engine Serial Number to confirm.

Thanks to the guys at Liverpool Central School for pointing this out at the last Central Chapter NYSHMA meeting.



Figure 1

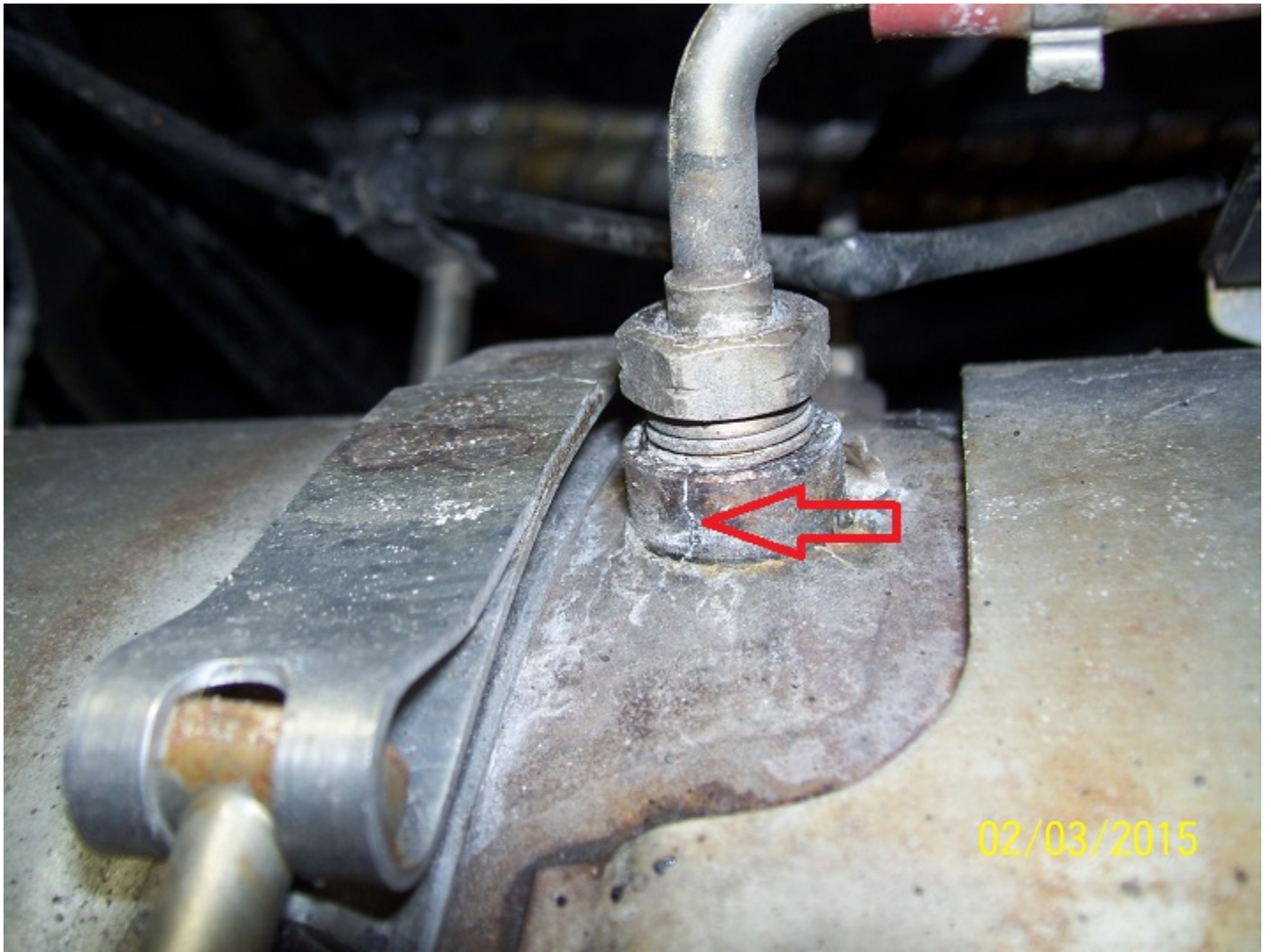


Figure 2



Figure 3



Figure 4

For more information contact our nearest Service Department

Chittenango: 315-687-3969 or 1-800-962-5768

Rochester: 585-424-3320 or 1-800-463-3232

Ravena: 518-756-1111 or 1-866-867-1111

Daryl Wallace or Brian Lamaitis

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Eastern Region Gary Bigness 845-500-3707

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