

PRODUCT TECHNICAL BULLETIN

COALTRAM CT08 CT10 CT13

Exhaust Leak at the Exhaust Conditioner to Exhaust Pipe fixed joint

Ref Document No.	TB12001	Issue No.	1
Release Date	November 2012		

Purpose

To advise machine owners of a possible fitment issue with the exhaust conditioner to exhaust pipe fixed joint, which could affect the flame proof joints integrity.

Applicability

Applies to all COALTRAM CT08, CT10 and CT13 vehicles

Background

MDR 088335 DES for CT08 and CT10 and MDR088336DES for CT13

Part no's: Exhaust conditioner 5520000079
 Exhaust pipe CT10:5520000078 or 5520000507 CT13: 5520000505 or 5520000503
 Gasket 5520000100
 Exhaust conditioner bolts 3/8" x 1 1/8" 5520003968 or 3/8" x 1 1/4" 5530755000

During a routine service the fixed joint was inspected using soapy water. Several small bubbles were observed at the joint between the gasket, exhaust conditioner and exhaust pipe. The vehicle was in service for over 6 months and had passed weekly checks.

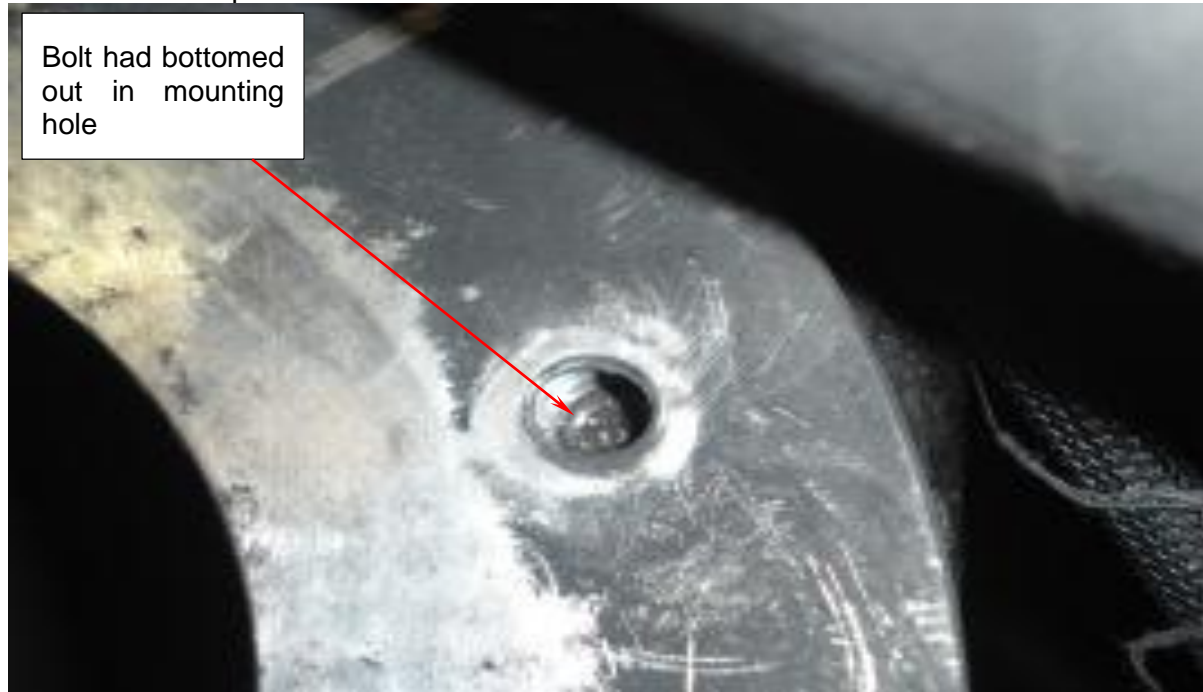
Investigation / Findings

Further investigations found that the vehicle was fitted with 3/8" x 1 1/4" (Part No 5530755000) socket head cap screws. The threads were binding in the exhaust conditioner mounting flange. When the bolts were removed from the exhaust conditioner mounting flange a witness mark was evident at the bottom of the blind threaded holes and on the end of the bolts.

The bolts binding, reduced the clamping pressure on the joint gasket and after a period of time an exhaust leak developed at the fixed joint. As the thickness of the scrubber flange may alter due to manufacturing processes, the overall depth of the bolt hole may vary, which in turn will determine the length of bolt required to allow sufficient thread engagement without binding.

The in service repair consisted of replacing the bolts with 3/8" x 1 1/8" (part no. 5520003968) socket head cap screws and tensioned to rectify the issue.

This is the first reportable incident of this nature that DMS are aware of.



Recommendations

1. All COALTRAM owners and end users are to contact the DMS Service Department to schedule an inspection as soon as practicable.
2. All end users are to inspect the exhaust conditioner to exhaust pipe joint on a weekly basis with soapy water to insure no exhaust leaks, until DMS have inspected the exhaust joint.
3. At the earliest opportunity the joint retaining bolts shall be individually removed by DMS Service Department personnel and inspected to ensure correct thread engagement without binding.
4. If there is evidence of bolts binding they are to be replaced with the shorter 3/8" x 1 1/8" SHCS bolts and tensioned. Installation procedures and verification check reports will be used by DMS Service Department to ensure a satisfactory outcome to the corrective action. Refer TB12001 Addendum - Inspection Form

For further assistance please contact

DMS Service Department on 02 49494900

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