

ENGINEERING BULLETIN
COALTRAM®
Procedural Changes to Installation of Turbo

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Purpose

To advise machine owners of a possible sealing issue at exhaust manifold to turbo joint interface which could affect the integrity of the flame proof joint.

Applicability

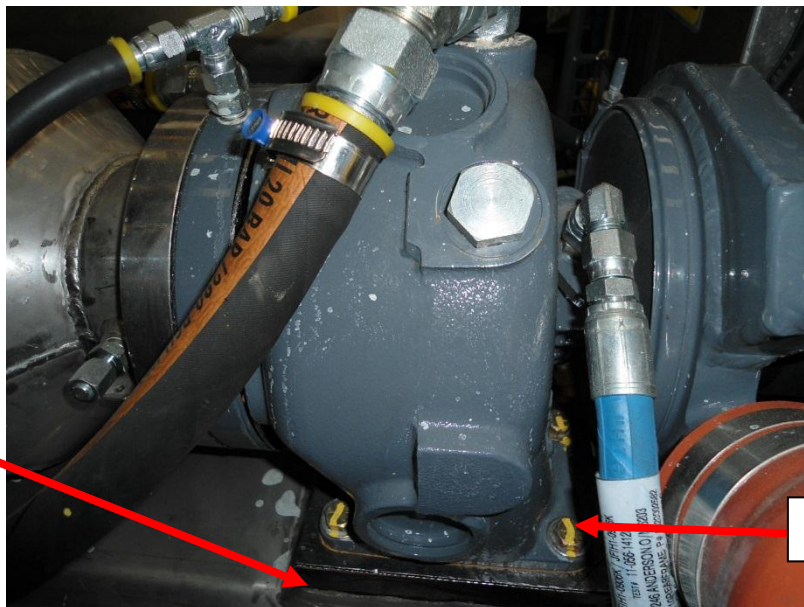
Applies to all COALTRAM® CT08, CT10 and CT13 vehicles manufactured pre June 2011. All current vehicles have now been inspected and corrected to specifications set out in this report.

Background

During a routine service the fixed joint was inspected using soapy water. A gas leak was detected at exhaust manifold to turbo joint interface.

Investigations/Findings

Further investigation revealed a gas leak at exhaust manifold to turbo joint interface due to a fastener being loose securing the turbo to exhaust manifold.



EXHAUST
MANIFOLD
TO TURBO
JOINT

FASTENER

Recommendations**For machines in-service:**

Check bolt torque and adjust to correct specification if needed. Proceed with steps below.

For new machines:

Install bolts without applying a locking agent and torque to correct specification. Proceed with steps below.

1. Start engine and let run until engine reaches normal operating temperature.
2. Stop engine and allow system to cool to ambient temperature.
3. Individually remove each turbo to exhaust manifold mounting bolt, one at a time, apply Loctite 243 and tighten bolts to specified torque.
4. Test for gas tightness by way of soapy water test.
5. For further information refer to Safe Work Procedure SWP CT3.17

NOTE: Specialised tooling will be required to complete this task.

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