

|  |
|--|
| <b>Technical Service Bulletin Number</b> |
|--|

|           |
|-----------|
| TSB140137 |
|-----------|



## Technical Service Bulletin

### Subject

---

ISX 12/15 CM2250/CM2350 Variable Geometry Turbocharger (VGT) Turbocharger Bearing Housing Coolant Leak Test - Service Tool Leaks

### Issue

---

Turbochargers are being returned due to failing the bearing housing leak test when using Service Tool Kit, Part Number 2892101, as described in Procedure 010-033 (Turbocharger) in the service manual. It was found that the actual leak was caused by the service tool. The block off fittings do **not** provide enough shoulder for the inner seal of the banjo washer to seal properly, allowing air to leak down past the bolt and mating component threads. See Figure 1.

©Cummins Inc

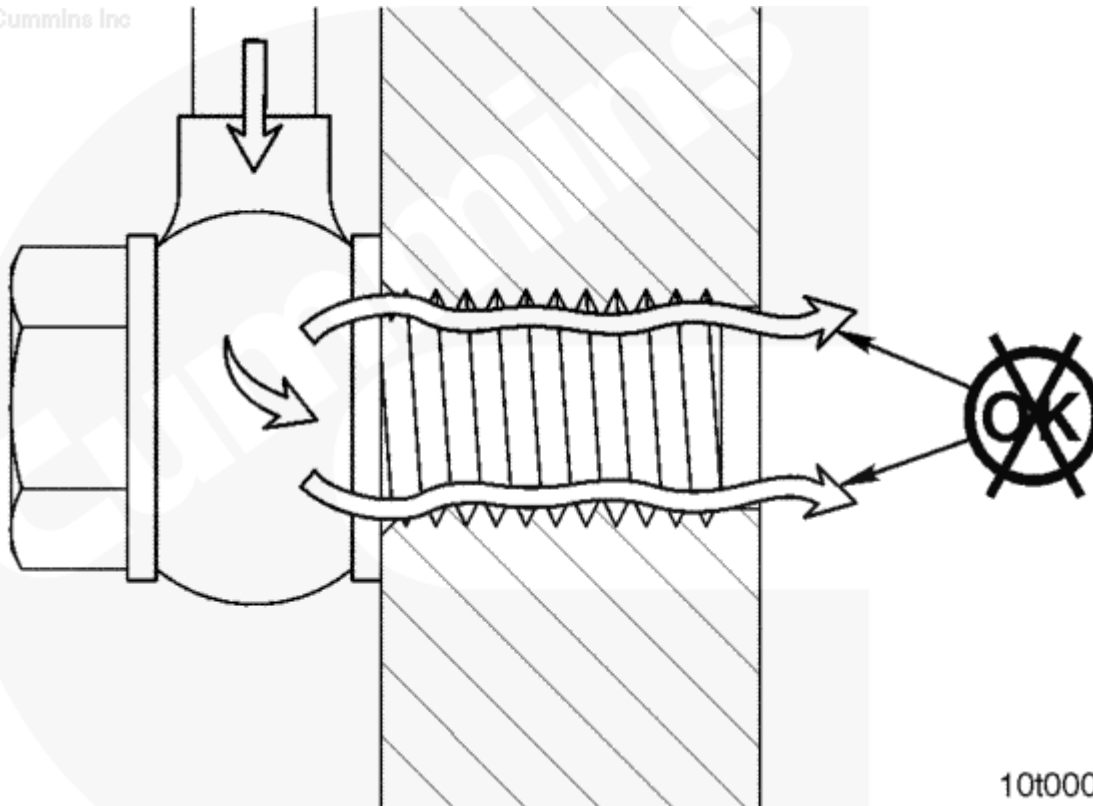


Figure 1

## Verification

---

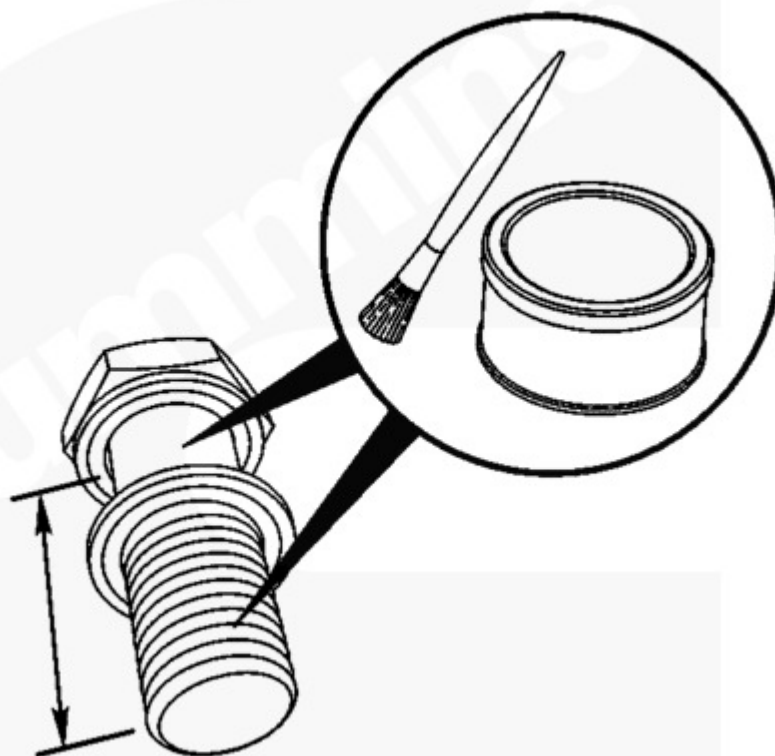
Complete the leak test in Procedure 010-033 (Turbocharger), following the additional instructions provided below for the service tool.

## Resolution

---

Pack the threads of the block off fittings with an all-purpose or bearing grease to seal off air leaks caused by the service tool. After the test, wipe off the grease from mating components. Use new sealing washers, since the grease may **not** be compatible with seals in the cooling system.

©Cummins Inc



10t00082

Figure 2

## Warranty Statement

---

The information in this document has no effect on present warranty coverage or repair practices, nor does it authorize TRP or Campaign actions.

## Document History

---

| Date      | Details        |
|-----------|----------------|
| 2014-9-29 | Module Created |
| 2014-9-30 | none           |

---

**Last Modified: 07-Oct-2014**

---

Copyright © 2000-2010 Cummins Inc. All rights reserved.