

## SERVICE INFORMATION BULLETIN

**TITLE :** Turbocharger leakage under pressure test condition

**DOCUMENT # :** 11 F 010

**AFFECTED VEHICLES :** 12C Coupe and Spider

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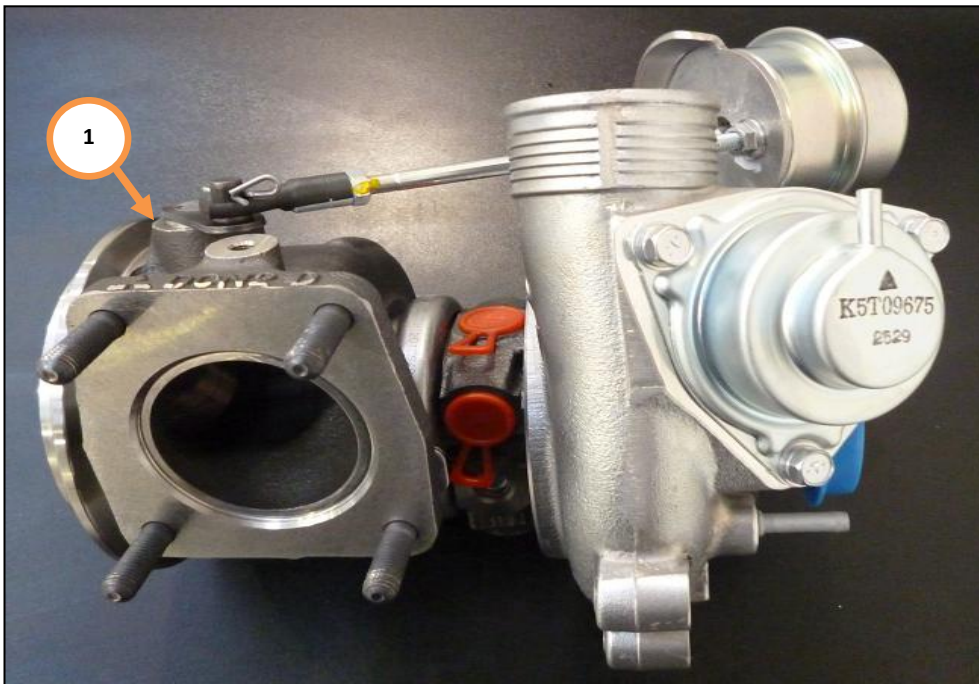
**SITUATION :** Quality Engineering at McLaren Automotive have identified two main areas of leakage noticeable when the system is pressurised under test condition.

**PROCEDURE :** Noticeable leakage from these areas is not detrimental to performance and will not be considered a valid reason to replace the turbocharger under warranty.

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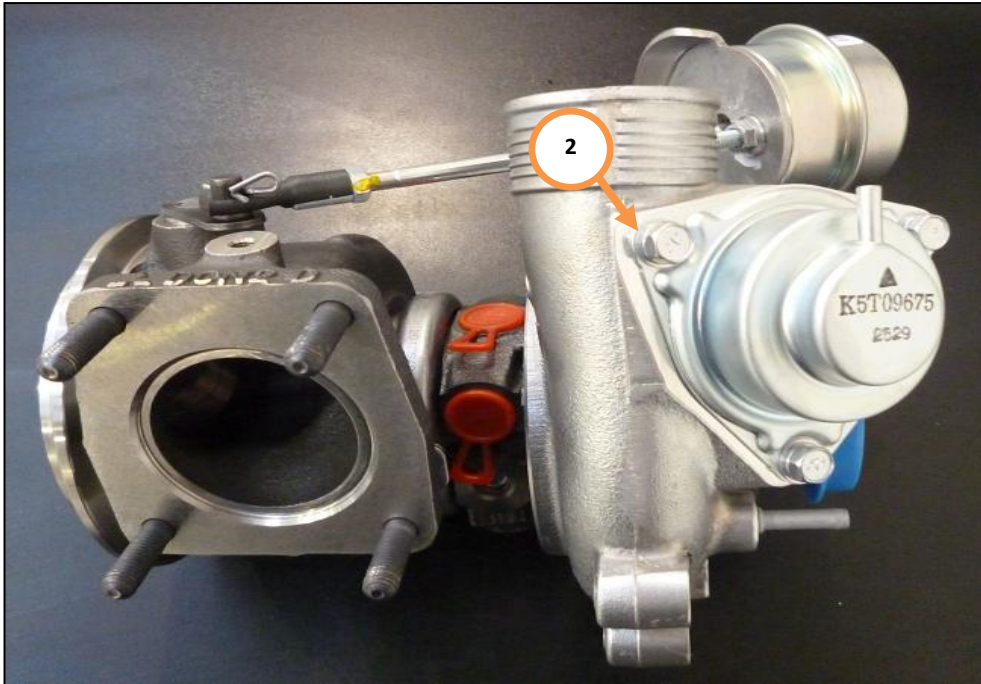
### CONDITION 1

Leakage will occur around the wastegate shaft where it exits the turbine housing (1). Due to the clearances required for the shaft to operate at extreme temperatures it is not possible to seal this area completely. This is a normal condition.



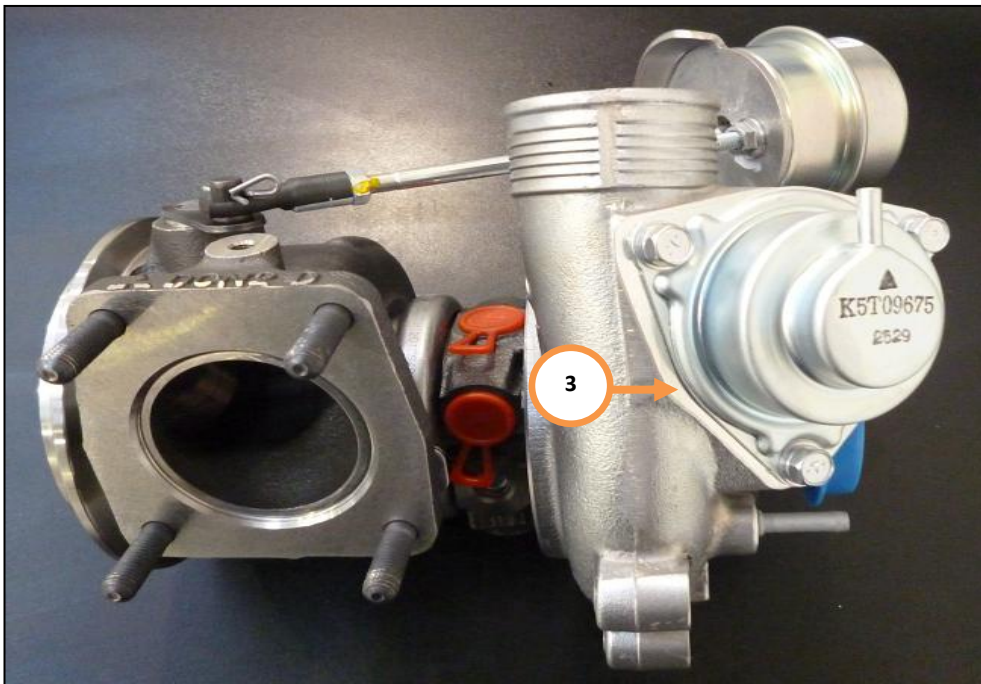
## CONDITION 2

Leakage will occur around the top bolt of the dump valve (2). This is a normal condition.



## CONDITION 3

Leakage will also occur at the dump valve capsule (3). If leak detection fluid is used, bubbles will appear under the capsule where it joins the turbocharger housing and at the top mounting bolt position. This is a normal condition.



Please contact your Regional Aftersales Manager should you have any questions relating to the information contained in this bulletin.