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Coding Information

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**Title: SPN 651 FMI 7- Injector 1 Spool Motion Compensation Max Authority Reached**

**Applies To: 2013 OBD Maxxforce DT, 9, and 10**

**DESCRIPTION**

The first five hours of engine operation are considered as a “break-in” period for the injectors. During this time, fault code SPN 651 FMI 7 may set. This code may or may not be true. Proceed with the following steps in order to determine if a true injector issue is present or not.

1. If fault code SPN 651 FMI 7 is present, perform a cold idle or hot idle CPA Tool snapshot in order to insure all 6 injectors are working properly.
2. If there is no weak cylinder detected with the CPA Tool test, the fault code should be cleared and the vehicle released to the customer.
3. If the CPA Tool does detect a weak cylinder, then continue diagnosing performance related symptoms using the CPA Tool.  
Reference iKnow article [IK1200812](#).

**NOTE:**

**A case file is not needed for this fault code if the CPA Tool does not detect a weak cylinder.**

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