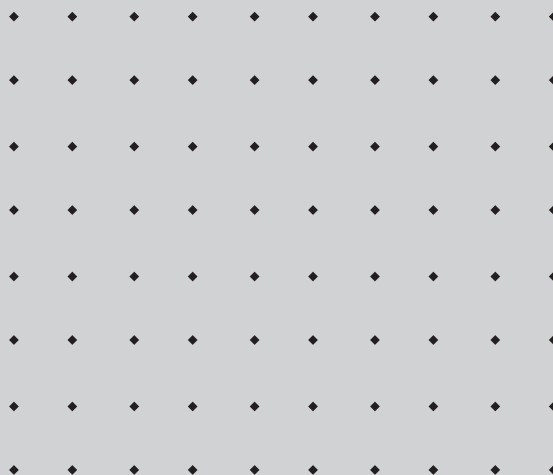


CZ Service Manuals

RiD003793

**CGL – Continental VDO
Blind-lift Measurement**





RiD03793

CGL – Continental / VDO “Blind-lift” measurement

Carbon Zapp CR Injector test plans for Authorized Continental DRS Partners from software version 2.9.8.5 onwards. The new test plans will cover EU3, EU4 and EU5 Continental CR Injectors on the test benches CRU.2R|X, CRU.4R, MTBR|X, ITB.1R|X and ITB.4R|X.

As the authorized CR Injector repair process does not include the detailed testing of the mechanical integration of the piezo actuator the amount of repaired but “test not passed” CR Injectors could be unintentionally high. Amongst others the reasons for the piezo actuator being defect could be the wear due to high mileage or the long storage time of the cores under unspecified conditions. To improve the quality of the CR Injector test and avoid unnecessary work on CR Injectors which will not pass the test because of a mechanical piezo actuator defect or a shifted “blind-lift”, a new test feature has been implemented in addition to the existing test plan. A detailed measurement of the piezo actuators adjustment to the injector body is carried out so in case of a defect the user is informed already at the beginning of the test procedure. The new functionality is selected by entering the part number with the suffix “-CGL” and then performed as a stand-alone test.

- For the new function, the adapter CZ-007107 is additionally required.
- This Electrical Adapter Cable for CGL is strictly per machine (Serial Number is required).
- **DO NOT USE** in other Channel except of **Channel 1**.
- Note:
 - DRS Partners can see the limits of Pass/Fail in a graphical representation (without numbers)
 - Non-DRS partners can only see a Pass/Fail of the test.

Part Number	Ordering Code	Description
007107	CZ-007107	ELECTRICAL ADAPTER CABLE FOR CGL

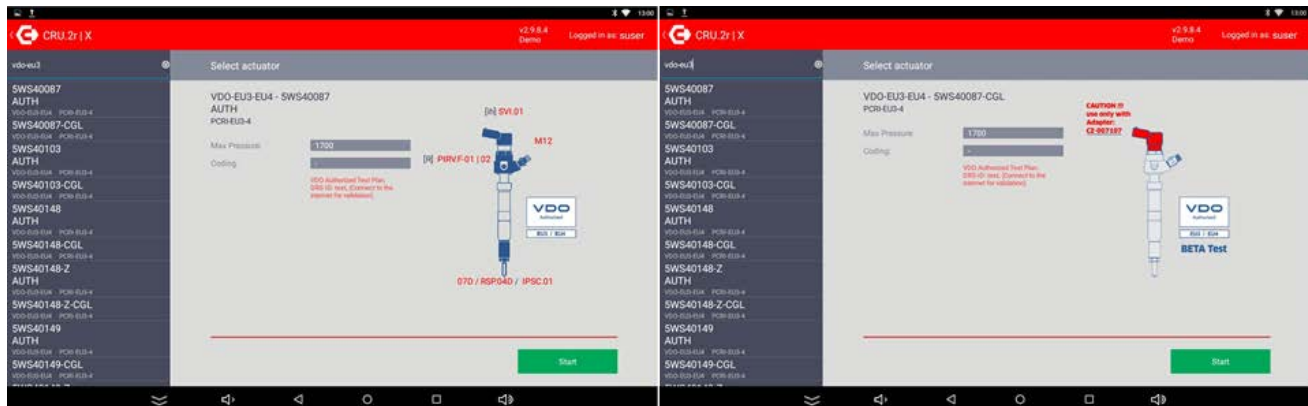
STEP.1

Please choose the correct VDO Injector Part Number with the suffix **-CGL** as shown in picture #2 for VDO EU5 and in picture #4 for VDO EU3/4.



Pic.1

Pic.2

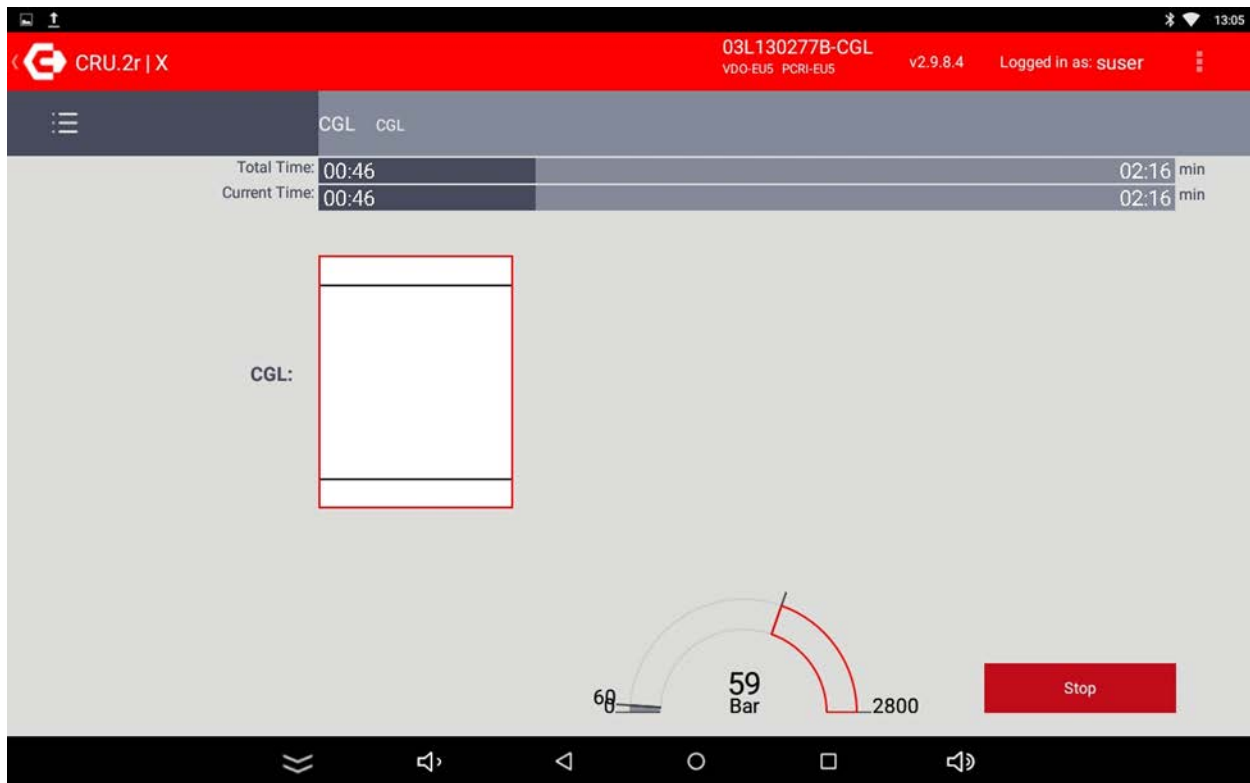


Pic.3

Pic.4

STEP.2

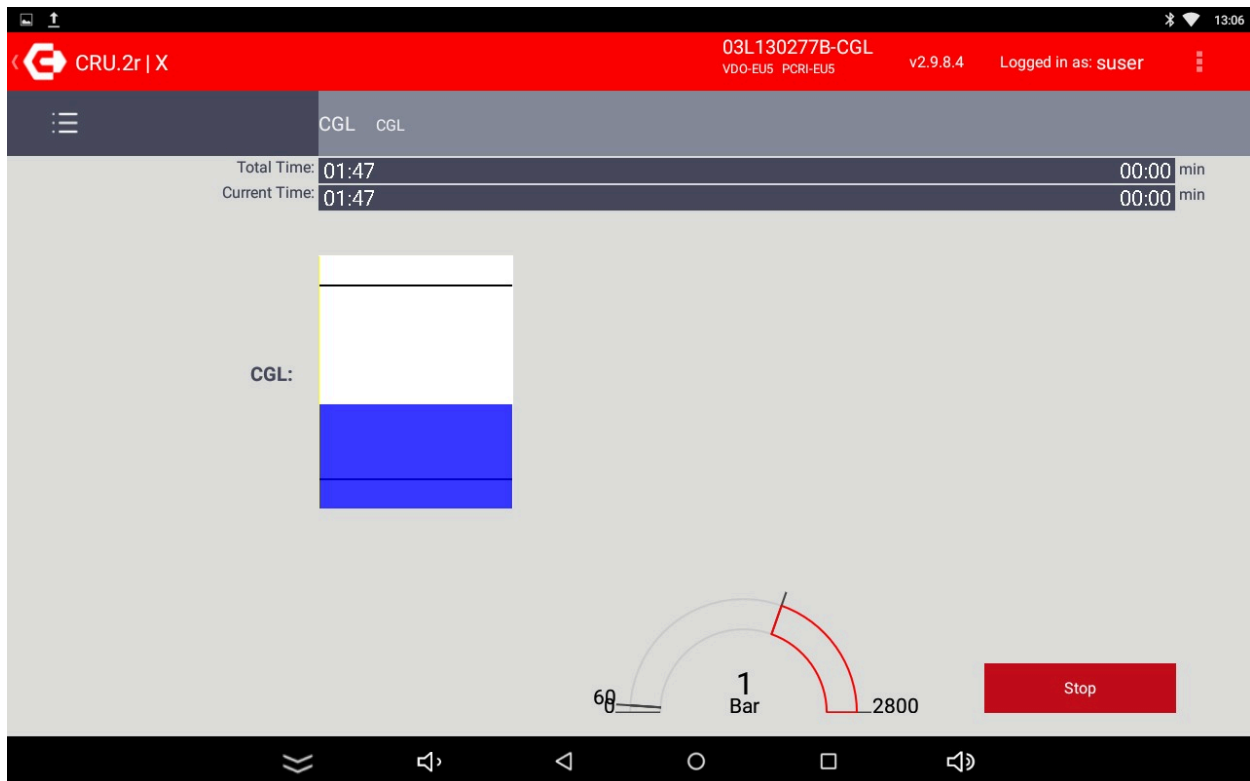
CGL test in progress as shown below in picture #5. May require up to 2 measurements done automatically to confirm the measurements, therefore time may change anywhere 60sec to 136sec.



Pic.5

STEP.3

CGL test completed, and measurement of the valve is illustrated below in picture #6 respectively to the upper and lower limits.



Pic.6

STEP.4

Machine Test Report attached below.



Owner info

Time

Date

13:06

2022-03-17

Report Result:



CRU.2r | X
diesel

SW: 2.9.8.4
S/N: 11111111

Client info

actuator info

VDO-EU5	SN*	test
03L130277B-C	FD	
GL	Old	
PCRI-EU5	-	
	New	-
	-	

CFL was skipped!

CGL



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