



**Trade Show**

**Automechanika Malaysia**

Malaysia International Trade Fair for Automotive Parts, Equipment & Service Suppliers  
March 31 - April 2, 2011  
Kuala Lumpur Convention Centre, Kuala Lumpur, Malaysia  
Booth Number: Hall 1, 1D04

**TAIPEI AMPA 2011**

Taipei Int'l Auto Parts & Accessories Show  
April 12 - April 15, 2011  
TWTC Nangang Exhibition Hall, Taipei, Taiwan  
Booth Number: N0314 (1st Floor)

**AAAE 2011**

Australian Auto Aftermarket Expo  
May 12 - May 14, 2011  
Melbourne Exhibition Centre, Australia  
Booth Number: F14F

We look forward to greeting you there!

**iSCAN-II / D91 Latest Versions (February, 2011)**

iSCAN-II PORSCHE	V3.02 SP1 / V2.05 SP1 / V1.05 SP1	English/Chinese/Japanese	2011-02-01
iSCAN-II IMS2-MB	V4.00	English/Chinese/Japanese	2011-02-01
iSCAN-II IMS2-PORSCHE	V1.04	English/Chinese	2011-02-01
iSCAN-II PCScanner	V3.00	English/Chinese/Japanese	2011-02-24
iSCAN-II JAGUAR	V3.01	English/Chinese/Japanese	2011-02-25
iSCAN-II IMS2-MB	V4.01	English/Chinese/Japanese	2011-02-25
iSCAN-II IMS2-VASS	V1.03	English/Chinese	2011-02-25
D91-PORSCHE	V4.55 SP1	English/Chinese/Japanese	2011-02-01

**VeDiS Yearly Update Project (YUP) Software**

Software releases monthly for D91-EURO PRO YUP 2011 / D91-ASIAN PRO YUP 2011.  
YUP customers, please get the updates from website.

## VASS (Volkswagen / Audi / Seat / Skoda): Basic Setting of EGR for Diesel Engine BKC/BKD & Diesel Engine BUG/BUN

### EGR Introduction

Exhaust Gas Recirculation (EGR) is an effective method of reducing the nitrogen oxide (NOx) levels at the combustion stage for diesel engine. It will recirculate a portion of an engine's exhaust gas back to the combustion chamber. The mixture of recirculating exhaust gas with air in intake manifold, it will also cause the problem of contaminant inside the intake manifold.

### The conditions that the basic setting is needed to be carried out

1. Replace EGR
2. Replace engine ECU
3. After cleaning the contaminant inside the intake manifold

### Prerequisites:

1. Engine coolant temperature at least 80 degree C
2. No fault code in engine system
3. Keep engine idling

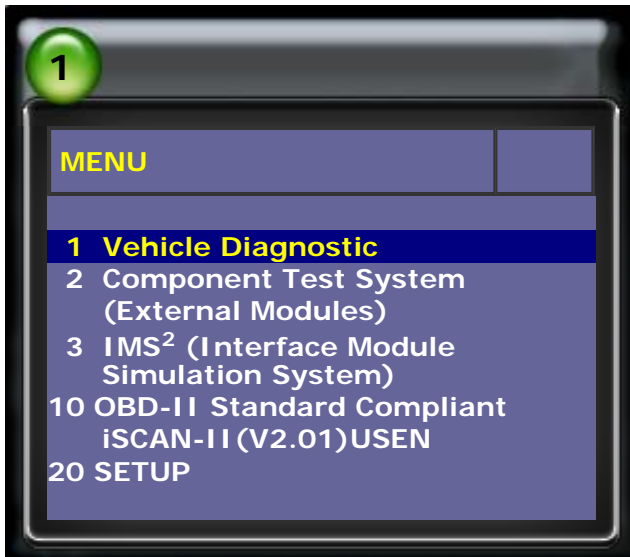
Example 1: Year 2004, AUDI A3 (BKC diesel engine)

Example 2: Year 2007, AUDI Q7 (BUG diesel engine)

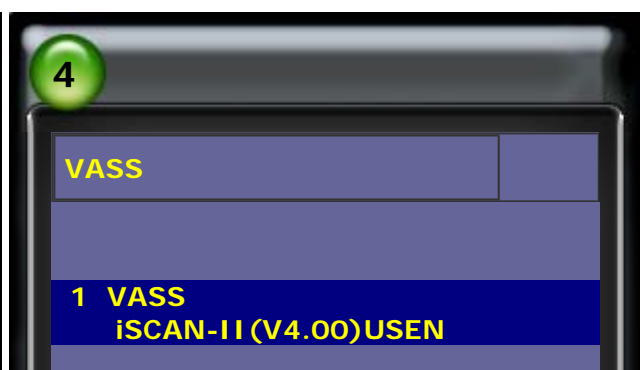
### Procedures on iSCAN-II:

Example 1: Year 2004, AUDI A3 (BKC diesel engine)

1. Select **Vehicle Diagnostic** -> select **EUROPEAN**

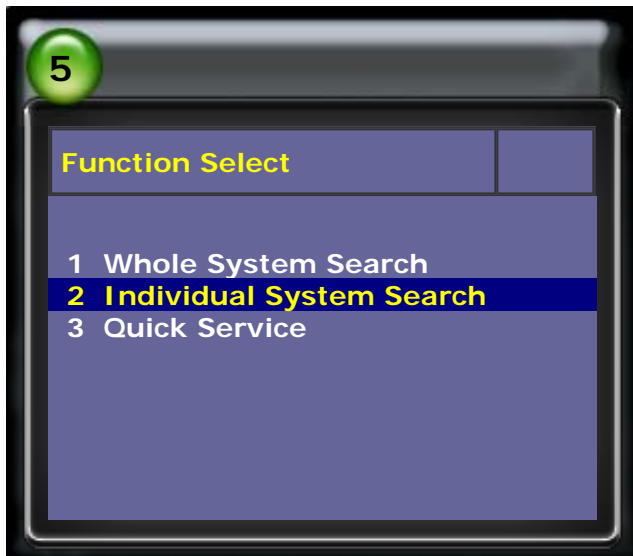


2. Select **VASS** software

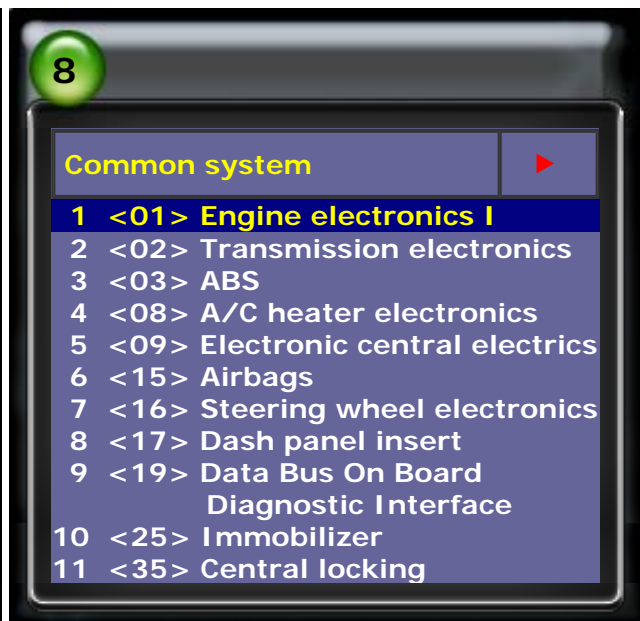
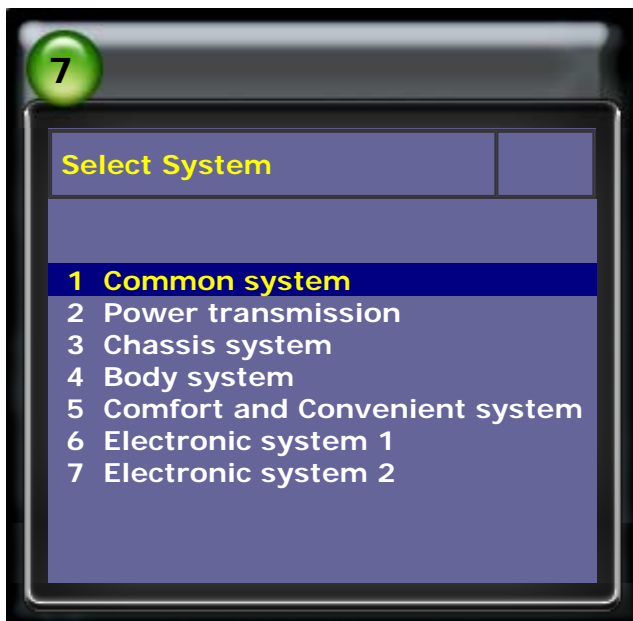


iSCAN-II (V3.03)USEN  
6 PORSCHE  
iSCAN-II (V3.02SP1)USEN  
7 VOLVO  
iSCAN-II (V3.01)USEN

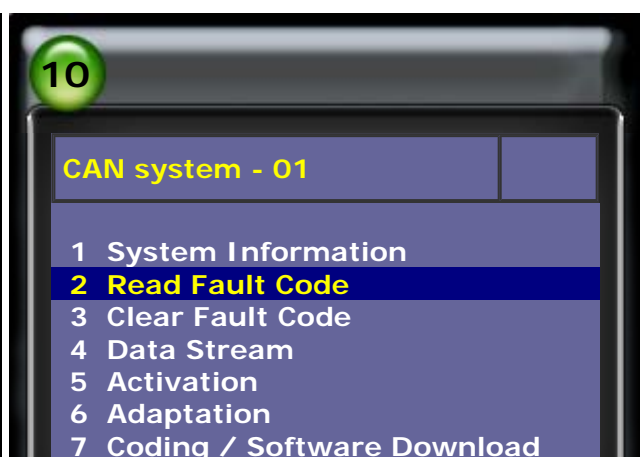
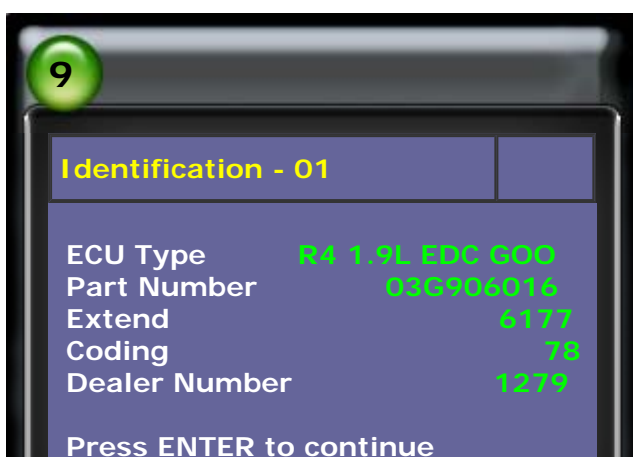
3. Select **Individual System Search**, then select **AUDI**



4. Select **Common system**, then select **Engine electronics I**

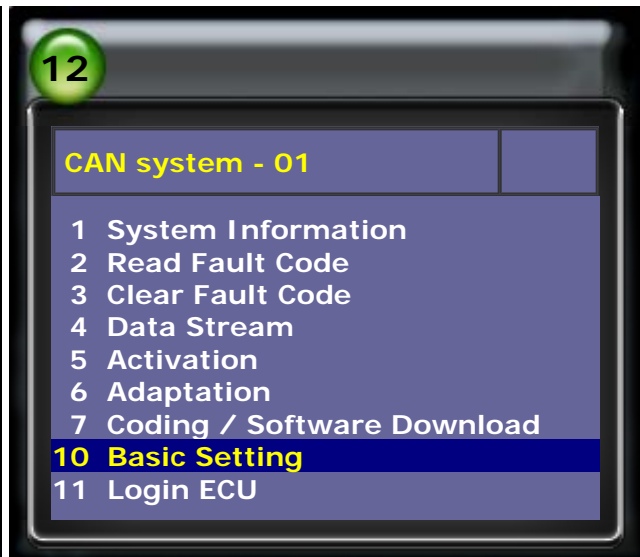
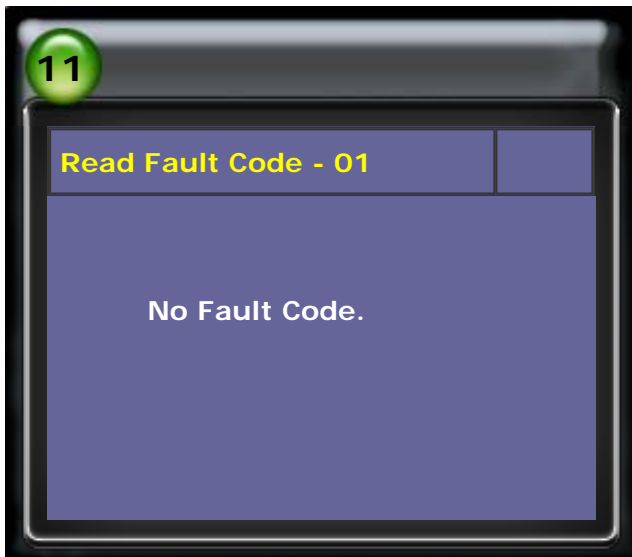


5. Select **Read Fault Code**

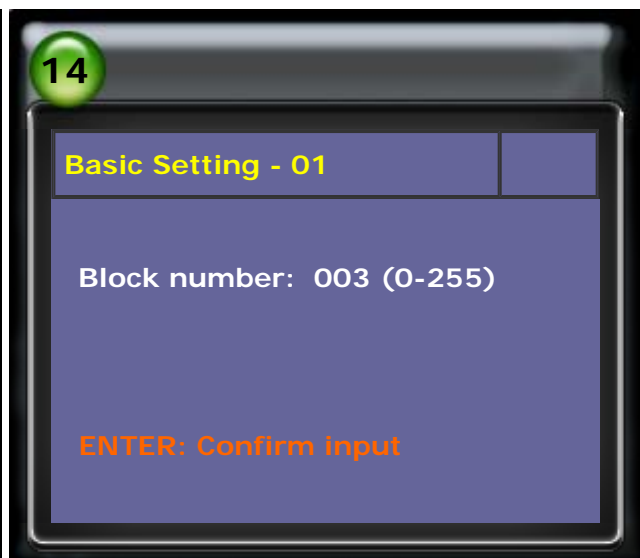
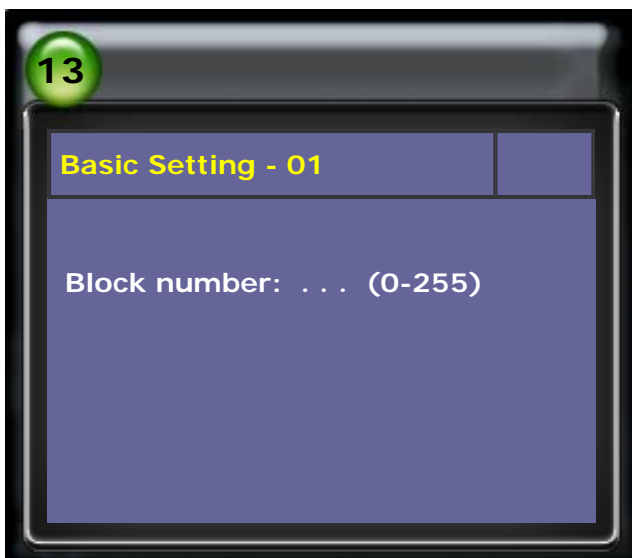


10 Basic Setting  
11 Login ECU

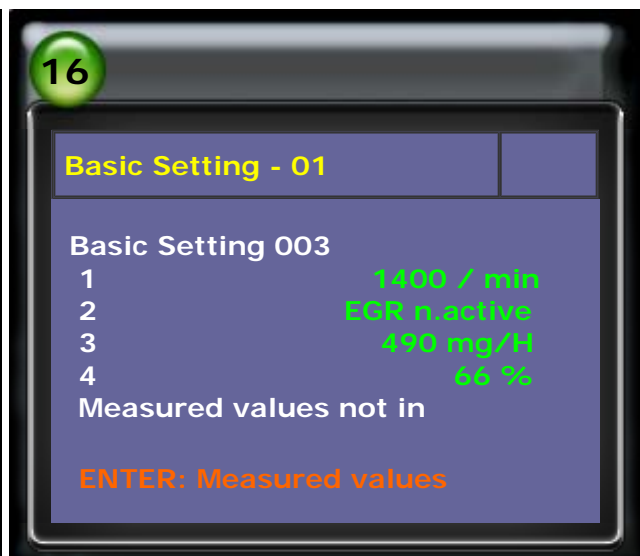
6. Confirm no fault code first, then select **Basic Setting**



7. Enter **Block number 003** (Exhaust Gas Recirculation - EGR)



8. Press ENTER to proceed the basic setting of EGR



9. After 003 basic setting, enter **Block number 011** (Charge Pressure Control)



10. Basic setting has been completed.



Enter the block number and access the basic setting, the 2 indicators on instrument cluster will light on (flickering) and the idling speed will also raise to approx. 1400 rpm.

After the idling speed returns back to normal rpm, the indicators will be off. It means that the basic setting has been completed.

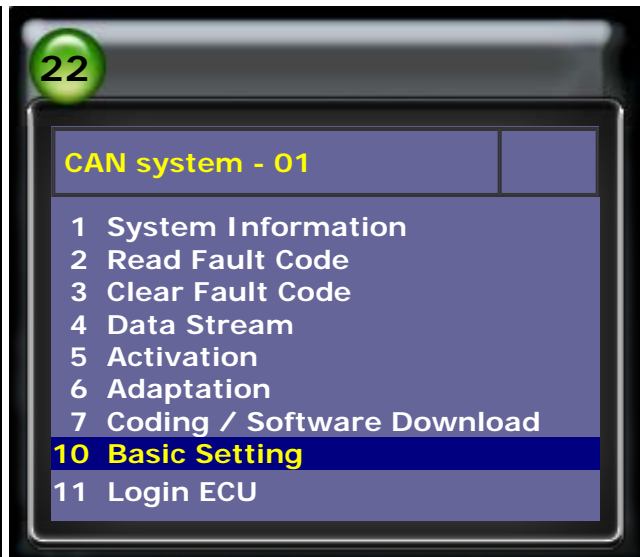
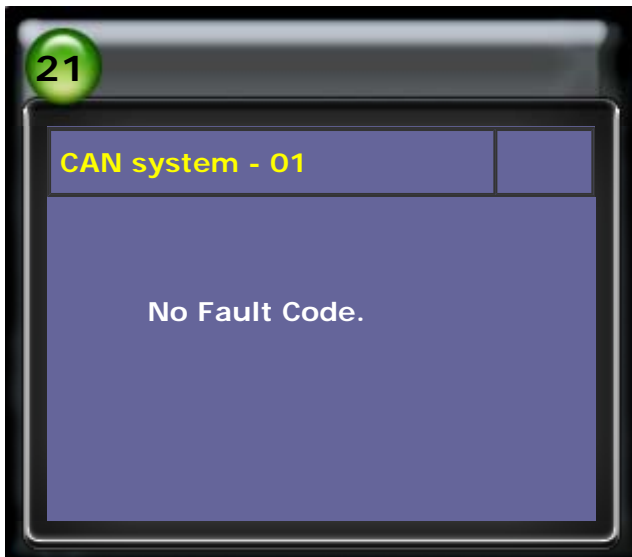


**Example 2: Year 2007, AUDI Q7 (BUG diesel engine)**

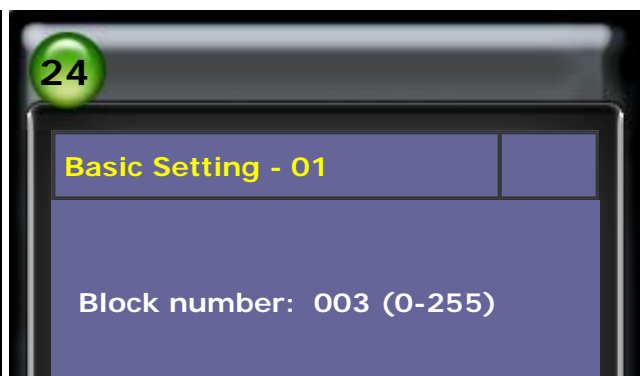
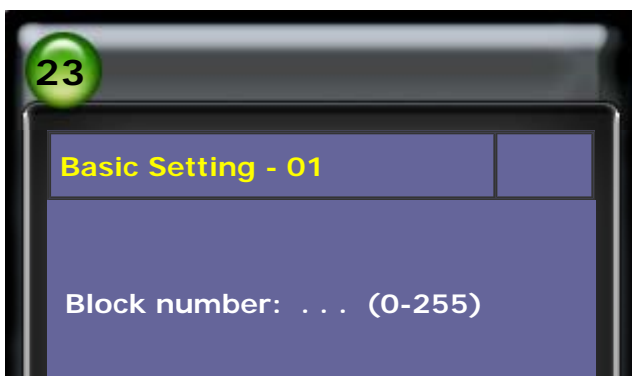
1. Please check the following conditions first

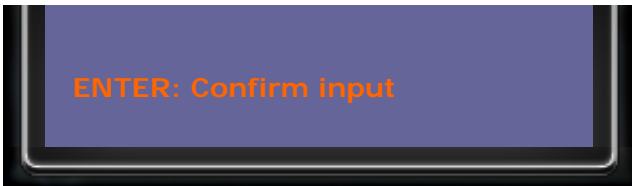
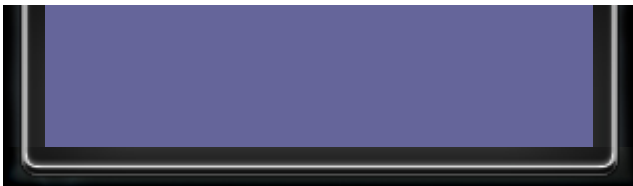
- \* Engine coolant temperature at least 80 degree C
- \* No fault code in engine system
- \* Keep engine idling

2. Confirm no fault code in engine system, then select **Basic Setting**



3. Enter **Block number 003** (Exhaust Gas Recirculation)





4. When entering 003, first press the brake pedal, then accelerator pedal. Both pedals must be pressed during basic setting. If not, the basic setting is aborted.

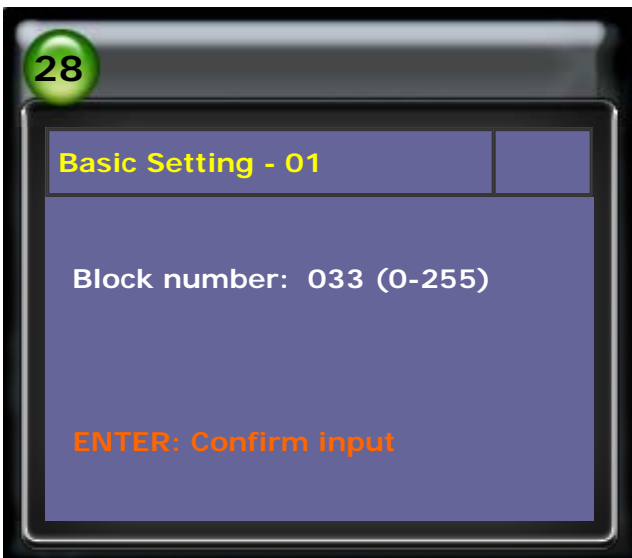
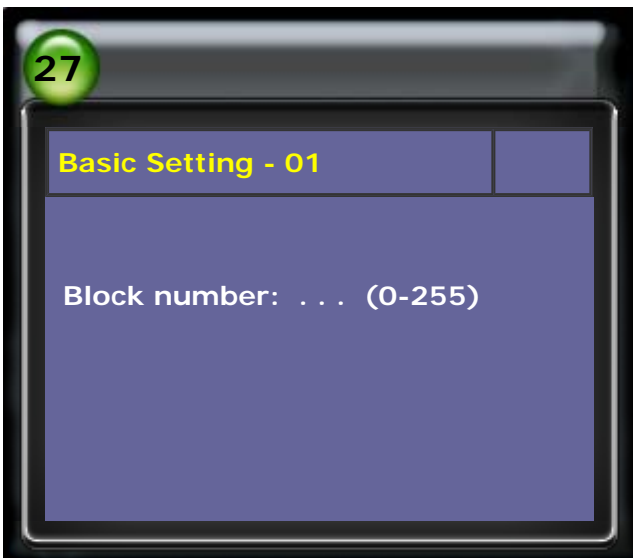
Waiting for the engine speed rise to approx. 1000 rpm.  
The exhaust gas recirculation is now switched on and off intermittently.

Engine speed: approx. 1000 rpm  
EGR not active  
Air mass: 410-560 mg/h  
Duty cycle: 80%

Engine speed: approx. 1000 rpm  
EGR active  
Airmass: 160-270 mg/h  
Duty cycle: 20%



5. Enter **Block number 033** (Turbocharger)



6. When entering 033, first press the brake pedal, then accelerator pedal. Both pedals must be pressed during basic setting. If not, the basic setting is aborted.

Waiting for the engine speed rise to approx. 1000 rpm.  
The turbocharger is now switched on and off intermittently.

Engine speed: approx. 1000 rpm  
Turbocharger: Closed  
Charge pressure: 960-1160 mbar  
Duty cycle: 80%

Engine speed: approx. 1000 rpm  
Turbocharger: Open  
Charge pressure: 920-1060 mbar  
Duty cycle: 20%

The charge pressure difference between "closed/open" 50-135 mbar is OK.

