

**LAUNCH**  
Europe GmbH

# X-431 EURO TURBO

Compact Prof. Diagnostic Device



# Introduction

- X-431 EURO TURBO, based on Android 9 system, is a new 8 Inch vehicle diagnostic device developed by LAUNCH. It passes on LAUNCH's advantages in diagnostic technology, such as wide car model coverage, powerful test function, abundant special functions and accurate test data.
- Support Google Service and printer APK from Google Play
- Support both 2.4GHz and 5GHz Wifi
- New software interface increases efficiency of daily work

# Tablet information

- OS: Android 9.0
- CPU: 2.0 GHz 4 Cores
- Internal memory: 3GB
- Storage: Internal 32GB
- Screen: 8" 1280x800 IPS
- Battery: 5000mAh
- Wifi: 2.4GHz and 5GHz
- Camera: Front 2MP, Rear 5MP



# Connector

## Portable design and stable connection

- Working Voltage: 9V DC-18V DC
- Test Voltage: DC12V
- Power Consumption:  $\leq 2W$
- Diagnostic Method: Bluetooth
- Working Temp.: -10 °C-50°C
- Dimension: 69x40x18mm

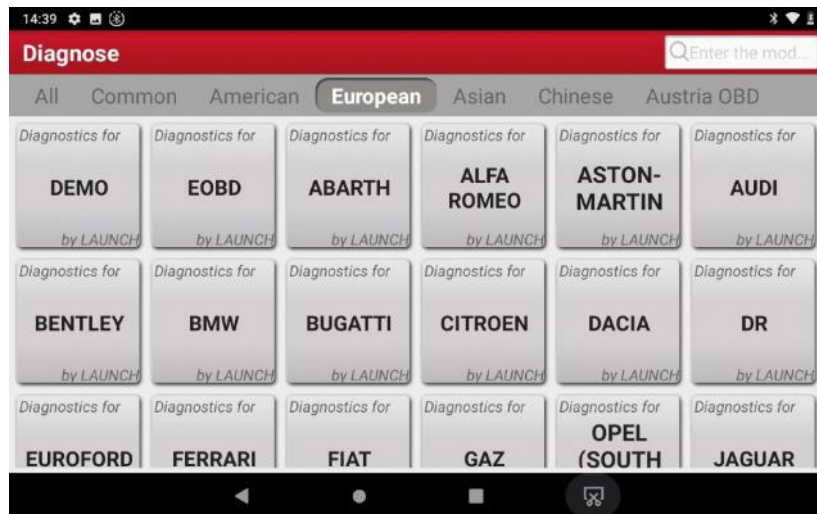
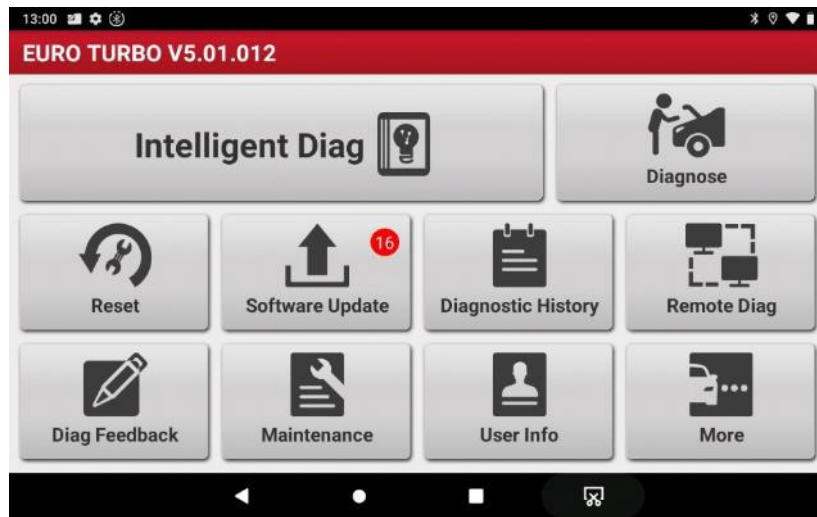


# Comparison



	X-431 EURO TURBO	X-431 EURO PRO
Processor	2.0 GHz 4 cores	1.4 GHz 4 cores
Internal memory/Storage	3GB/32GB	2GB/16GB
Display	8 inch, 1280x800	8 inch, 1280x800
Battery	5000mAh	4850mAh
Operation system	Android 9	Android 7
Wifi	2.4GHz and 5GHz	2.4GHz
Bracket	Yes	No

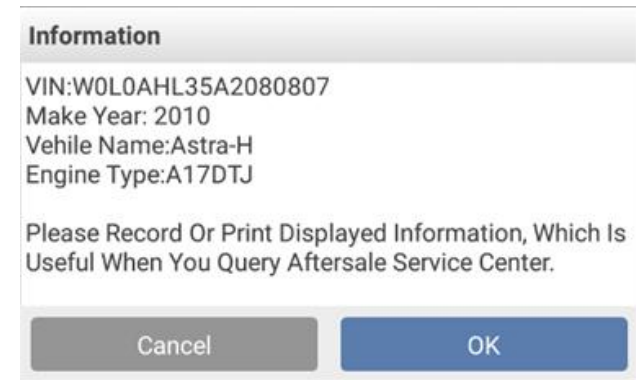
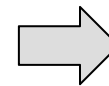
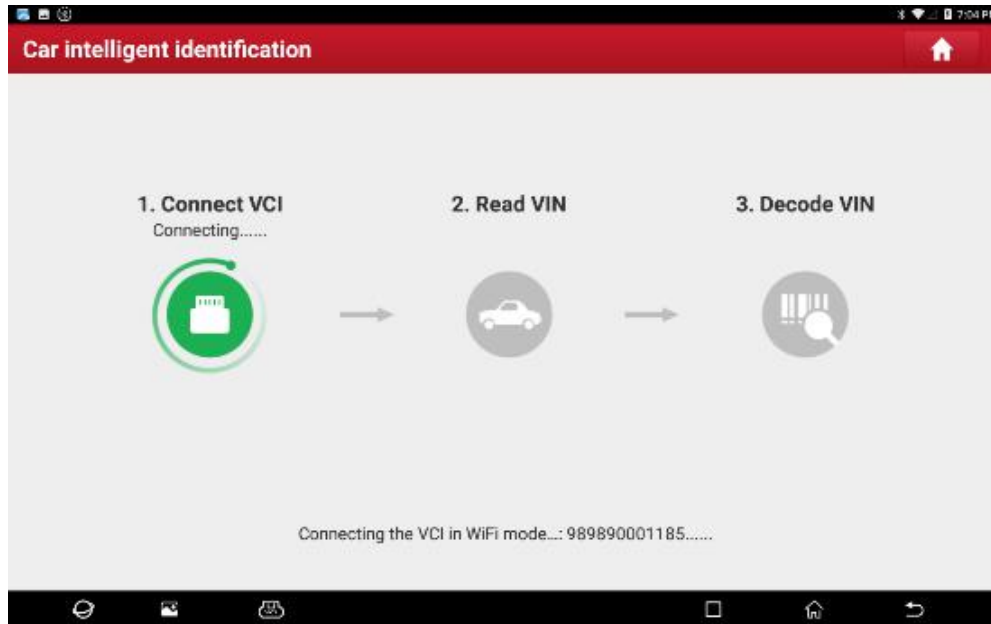
# Comprehensive Diagnostic Functions



User-friendly software interface with comprehensive functions:

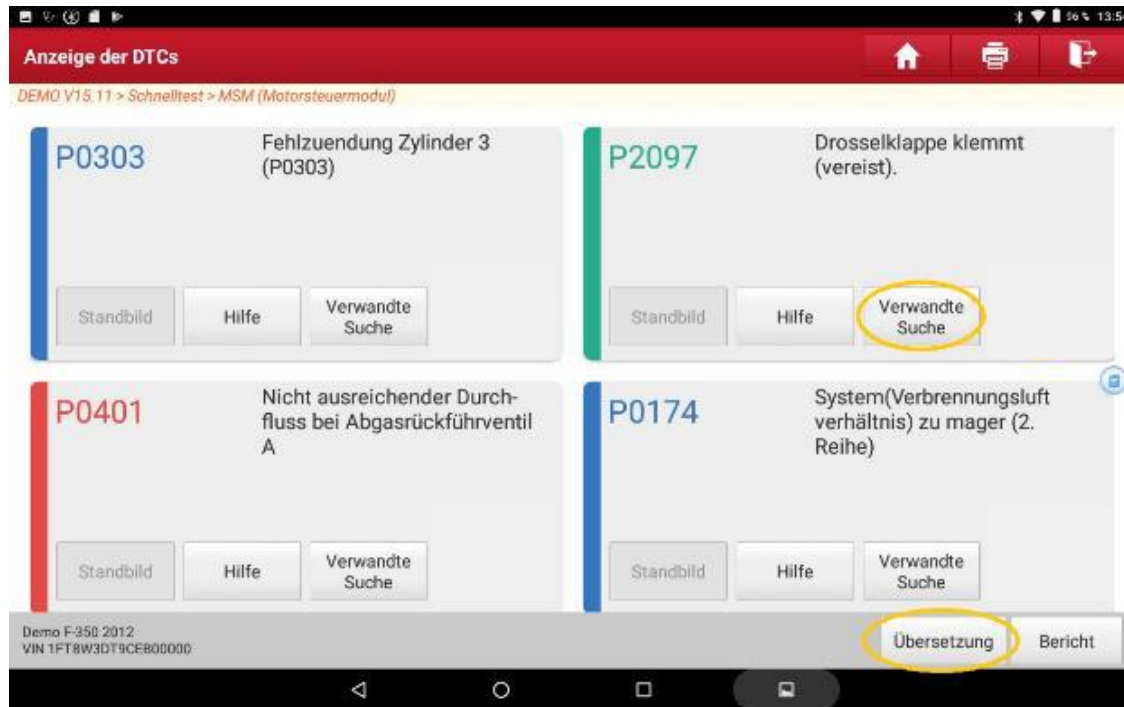
- Intelligent Diagnose for 70+ car make
- 11 Service/Reset functions
  - Brake Reset
  - Oil Reset
  - SAS Reset
  - Battery Reset
  - Bleeding
  - Electric Throttle Relearn
  - TPMS Reset
  - DPF Regeneration
  - Crankshaft position sensor Learn
  - IMMO
  - Injector coding
- LAUNCH Professional Database (optional)
- Diagnostic feedback
- Quicksupport
- One click software update
- More...

# Intelligent Diagnose

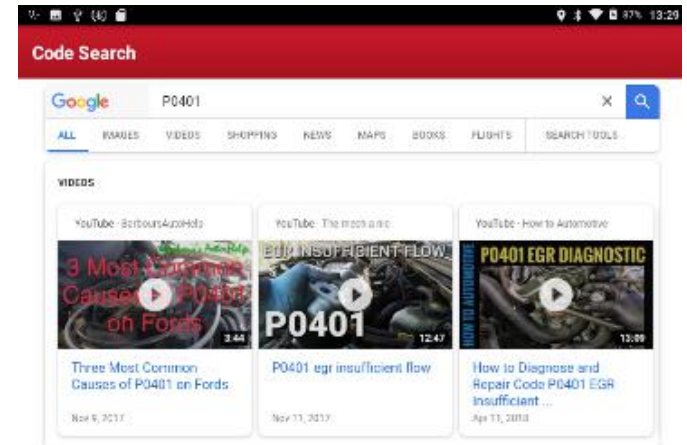


The vehicle model, manufacture year can be found automatically through the VIN number. This function is more convenient than manual selection.

# DTC reading, translation and solution-search



- Search the solution on Google



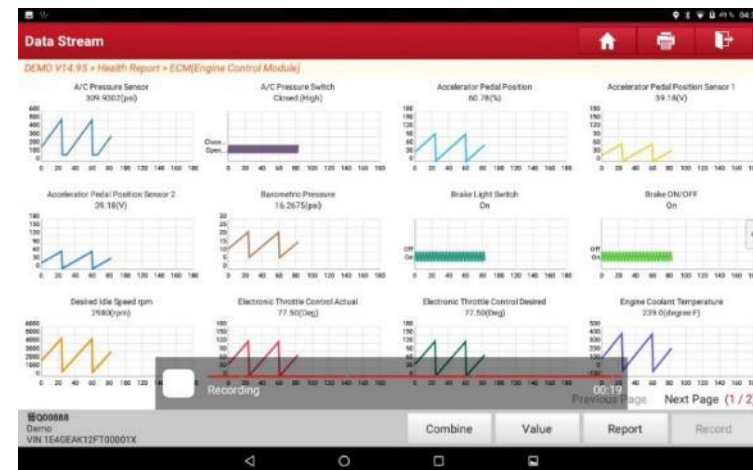
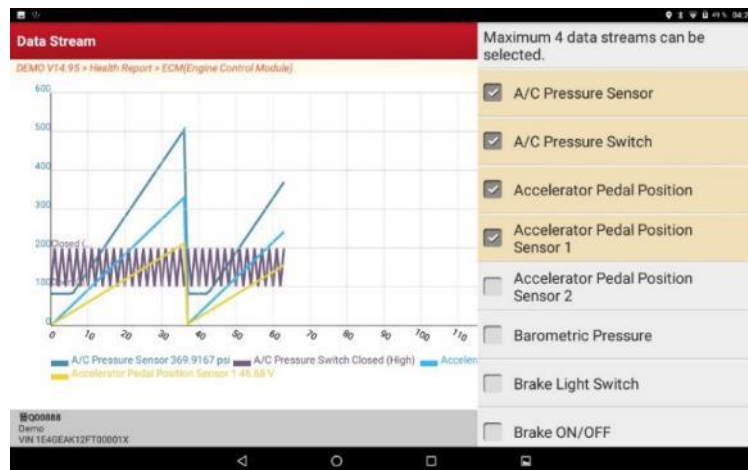
- Translating the DTC to your local language, with just one click.



# Showing data stream in different formats

Data Stream				
DEMO V14.95 > Health Report > ECM(Engine Control Module)				
Name	Value	Standard Range	Unit	
A/C Pressure Sensor	361.9185	0.0 - 145.0	psi	
A/C Pressure Switch	Closed (High)			
Accelerator Pedal Position	70.98	0-100	%	
Accelerator Pedal Position Sensor 1	45.68	0-5	V	

- Actual value and standard Range
- Diagram
- Data recording



# Clear Diagnostic Report

- Show DTC status of each ECU
- Save as screenshot and PDF file
- Easy to print or share

System Name	Result
ECM(Engine Control Module)	Fault 4
TCM(Transmission Control Module)	Fault 3
ABS(Anti-lock Braking System)	Fault 2
SRS(Supplemental Inflatable Restraint System)	Fault 3
BCM(Body Control Module)	Fault 3
IMM(Immobilizer)	Fault 3
BMS(Battery Manager System)	OK
TPMS(Tire Pressure Monitoring System)	Fault 2
SAS(Steering Angle System)	Fault 3

System	State
ECM(Engine Control Module)	Abnormal ( 4 )
P0303 Misfiring of Cylinder 3(P0303) P2097 Throttle Valve Block(Ice up) P0401 EGR Valve A Flow Insufficient Detected P0174 System A/F Ratio too Lean (Bank 2)	
TCM(Transmission Control Module)	Abnormal ( 3 )
ABS(Anti-lock Braking System)	Abnormal ( 2 )
C1141 Brake Pressure Sensor B34 C1201 A7/7s1(BAS Release Switch) : Electrical Fault	
SRS(Supplemental Inflatable Restraint System)	Abnormal ( 3 )
BCM(Body Control Module)	Abnormal ( 3 )

**Report**

**Vehicle Information**

License #: 晋Q00888  
 Year:  
 Make: Demo  
 Model:  
 VIN: 1E4GEAK12FT00001X  
 ODO: 22100 miles  
 Vehicle Software Version: V14.95  
 Diagnostic Application Version: V7.00.005  
 Diagnostic path: Health Report

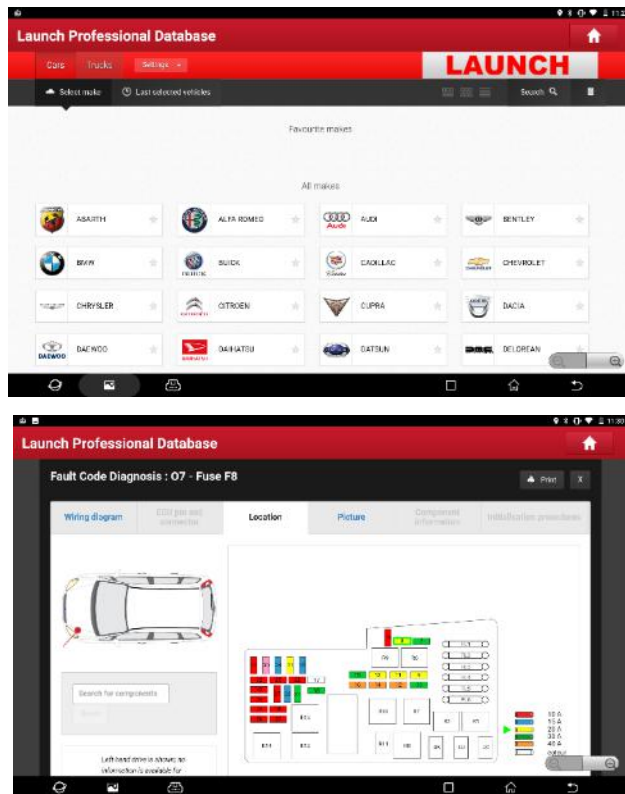
**Inspection Result**

ECM(Engine Control Module) 4 problems exist

- 1.P0303 Misfiring of Cylinder 3(P0303)
- 2.P2097 Throttle Valve Block(Ice up)
- 3.P0401 EGR Valve A Flow Insufficient Detected
- 4.P0174 System A/F Ratio too Lean (Bank 2)

# LAUNCH Professional Database (optional)

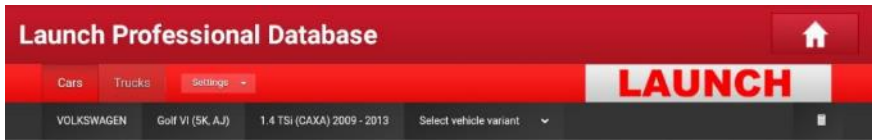
LAUNCH Professional Database can be integrated in X-431 EURO TURBO software (optional), which will guide user from DTC reading, to the step-by-step testing, and to the final solution. This database will save mechanic a lot working time and increase the efficiency dramatically.



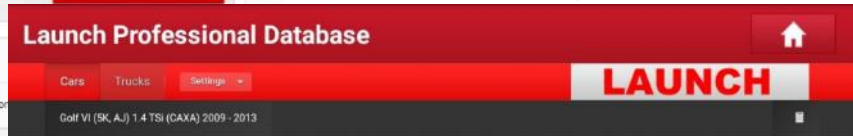
## Features:

- Fuse and relay box locations and overview
- Wiring diagrams for engine management, ABS, ESP and air conditioning, door locks, windows, airbags, exterior lights,
- Component locations and information
- Fault codes (manufacturer and EOBD)
- Ground point locations
- Control unit locations
- Battery disconnection/reconnection procedures
- High-voltage circuit deactivation procedures
- Highlight functionality to trace corresponding wires and components

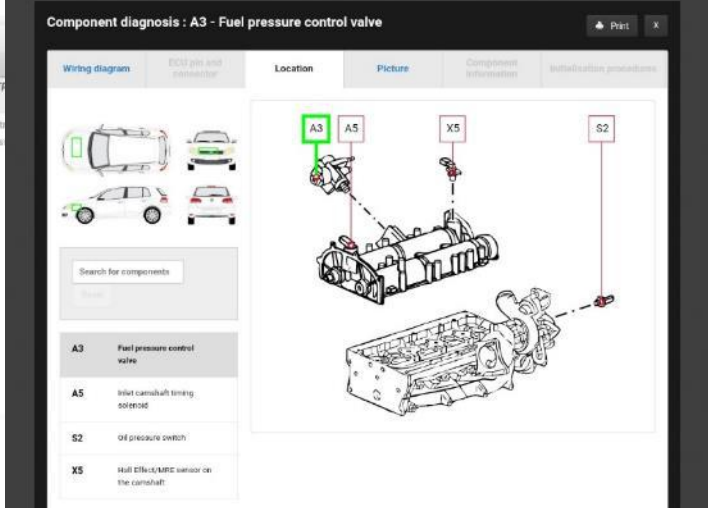
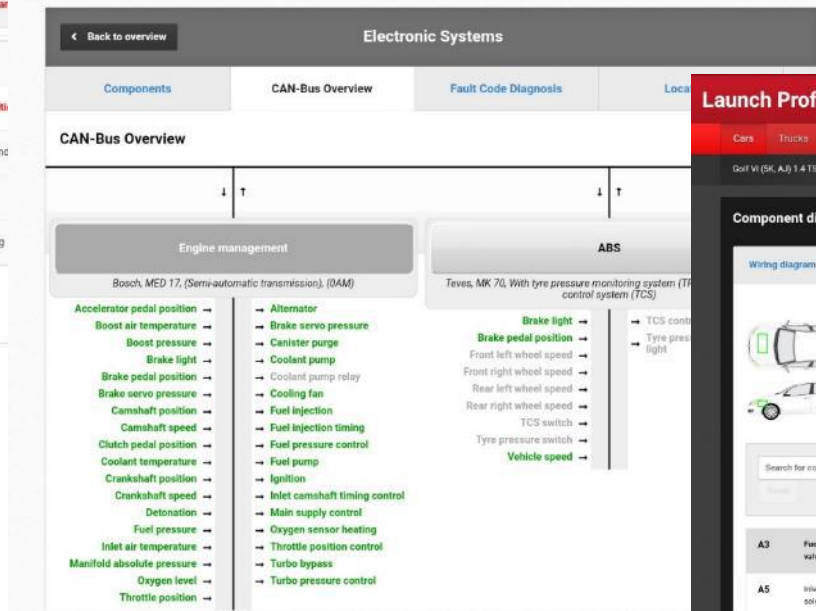
# LAUNCH Professional Database (optional)



CAN-Bus Overview

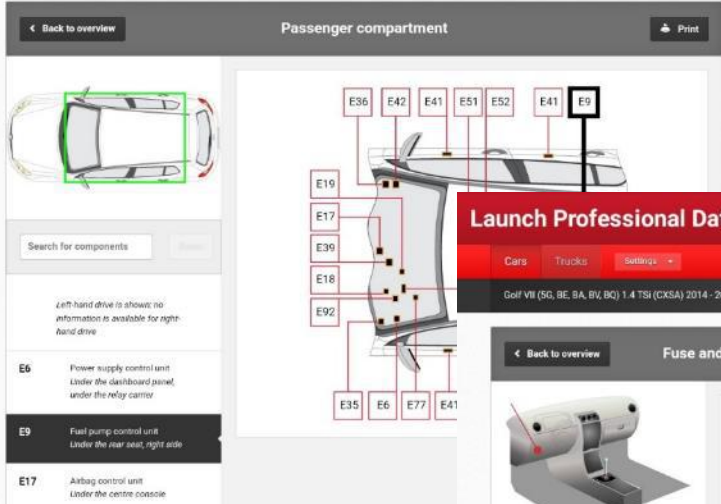
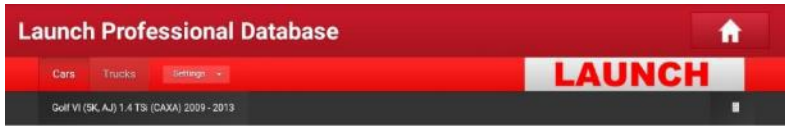


Component location



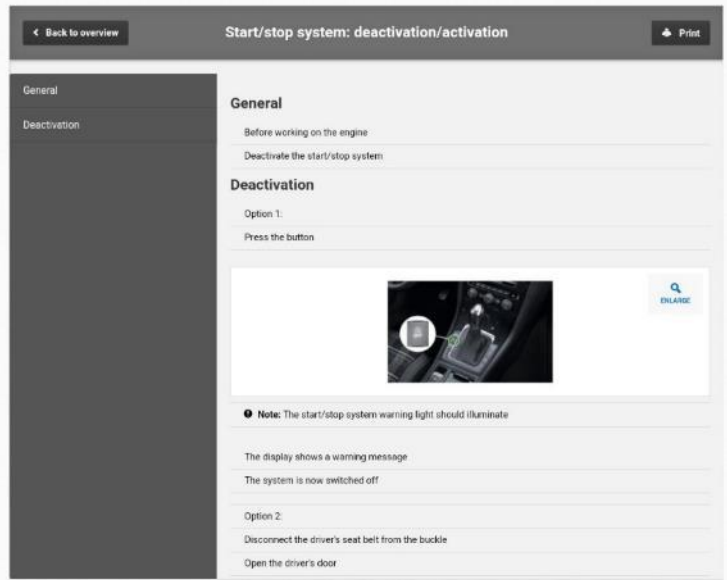
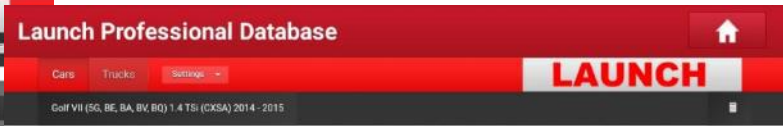
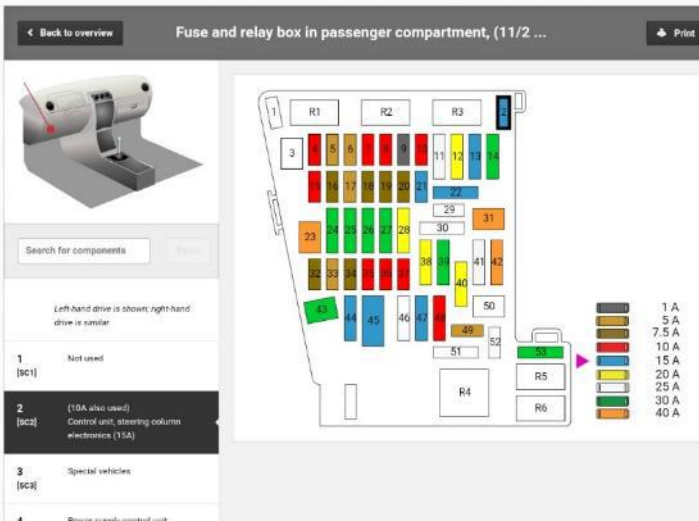
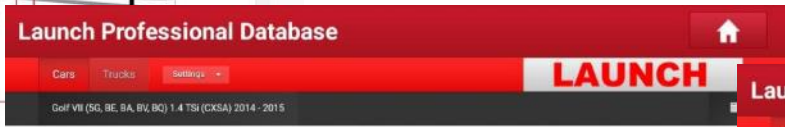
Full systems query

# LAUNCH Professional Database (optional)



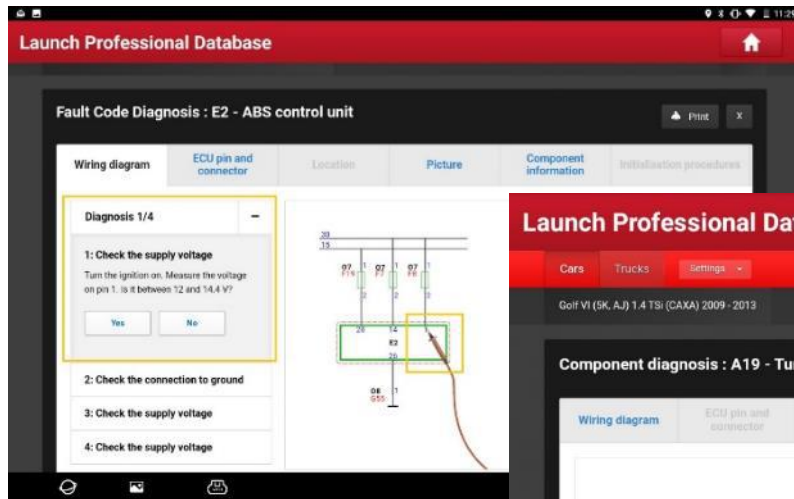
Fuses and relays with detail information

Electronic procedures

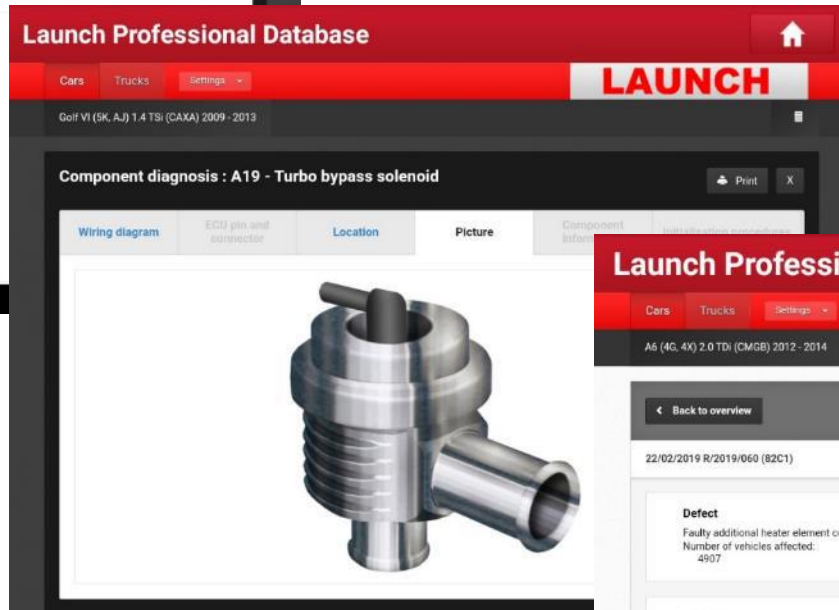


All control units locations

# LAUNCH Professional Database (optional)

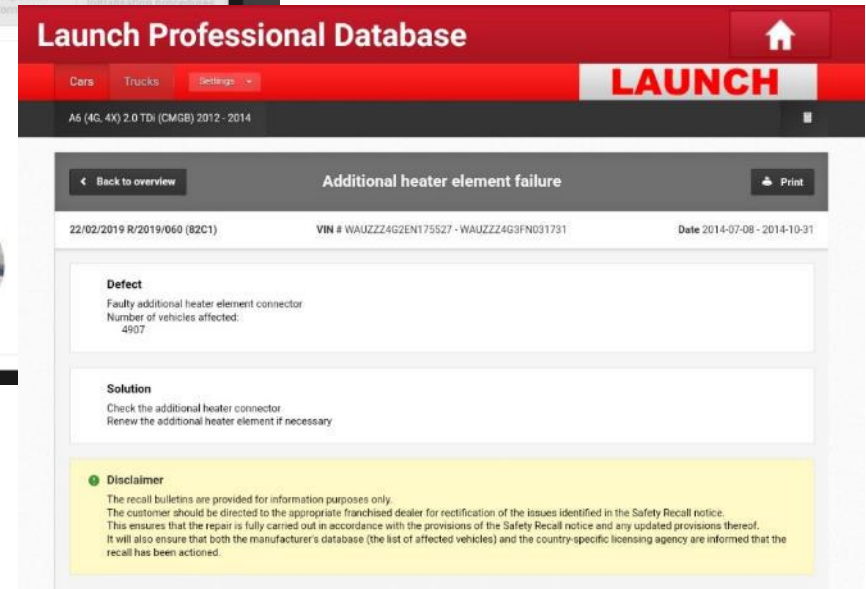


Step by step testing



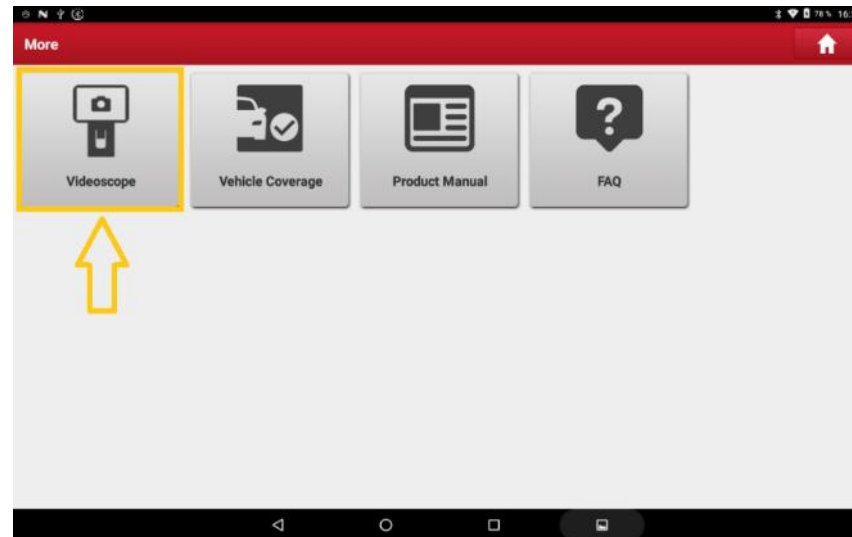
Component picture

Suggested solution



# Videoscope (optional)

Videoscope module is already integrated in PRO5 APK. It can be used with LAUNCH VSP-600 via USB connection.



5.5mm  
Len O.D.



1/9"  
Sensor Size



0°C-65°C  
Operating  
Temperature



1280x720  
Resolution



4.8mm  
Tube O.D.

800mm  
Tube Length



2000mm  
USB Cable Length

USB2.0/Type C  
Micro USB



5V  
Power Supply



6 levels  
LED

# Packing list

	Part name
<b>Main Unit</b>	X-431 euro turbo main unit, RoHS
<b>Connector</b>	DBScar 16Pin diagnostic connector, RoHS
	DBScar, BENZ-38 diagnostic connector, RoHS
	DBScar, FIAT-3 diagnostic connector, RoHS
	DBScar, NISSAN-14+16 diagnostic connector, RoHS
	DBScar, SSANGYONG-14 diagnostic connector, RoHS
	DBScar, UNIVERSAL-3 diagnostic connector, RoHS
	DBScar,AUDI-4 diagnostic connector, RoHS
	DBScar,BENZ-14 diagnostic connector, RoHS
	DBScar,BMW-20 diagnostic connector, RoHS
	DBScar,DAEWOO-12 diagnostic connector, RoHS
	DBScar,HONDA-3 diagnostic connector, RoHS
	DBScar,KIA-20 diagnostic connector, RoHS
	DBScar,MAZDA-17 diagnostic connector, RoHS
	DBScar,MITSUBISHI/HYUNDAI-12+16 diagnostic connector, RoHS

	Part name
<b>Connector</b>	DBScar,SUBARU-9 diagnostic connector, RoHS
	DBScar,TOYOTA-17 diagnostic connector, RoHS
	DBScar,TOYOTA-22 diagnostic connector, RoHS
<b>Test cable</b>	DBScar,OBD I Adaptor BOX transfer line, RoHS
	Double clamp power line (English), RoHS
	The cigarette lighter line (English), RoHS
	X431 AIT I OBD16 extension line (600mm), RoHS
<b>Accessories</b>	X-431-pro5 USB a to micro data cable, RoHS
	Power adapter 5V, 2A (British Standard), TB-X605FC, LX, RoHS
	Power adapter 5V, 2A (European standard), tb-x605fc, LX, RoHS
	X431 PIN envelope
	X-431 Euro Pro5 English quick start, RoHS
	Clipper fuse 5*20mm
Lighter fuse 6*30mm	



# Thank you!



Diagtools LTD  
Pernavas 43A, Riga, Latvia



tel. +37129416069, +37167704152



diagtools@diagtools.lv  
www.diagtools.eu