1. OVERVIEW

1.1 INTRODUCTION

- Nowadays technology products are more and more intelligent, modern, especially more friendly to workers, updating new technology of industry 4.0 "integrating things, integrating knowledge, integrating data"
- You are a young generation repairman and have good financial conditions? Do you like to explore and conquer high-end technology? Do you like modern and trendy styles?
- Now your motorcycle repair tools is not only boring hand-held device that it need nice & friendly graphical interface, multi-language, multi-functional, integrating everything in one, voice communication, wireless data connection, global database connection, simple update & sync, trendy "touch screen" control
- DTDAuto would like to introduce a high-end product that analyzes and determines faults of electronic fuel injection motorcycles: MOTOSCAN TAB

- **MOTOSCAN TAB** researched and manufactured by DTDAuto Vietnam. It used to determine fault and repair electronic & electrical system for most motorbikes and scooters in Asia market and some other market with electronic control system for starting, fuel injection, ignition, ABS, Smart key, ODO, ECU…

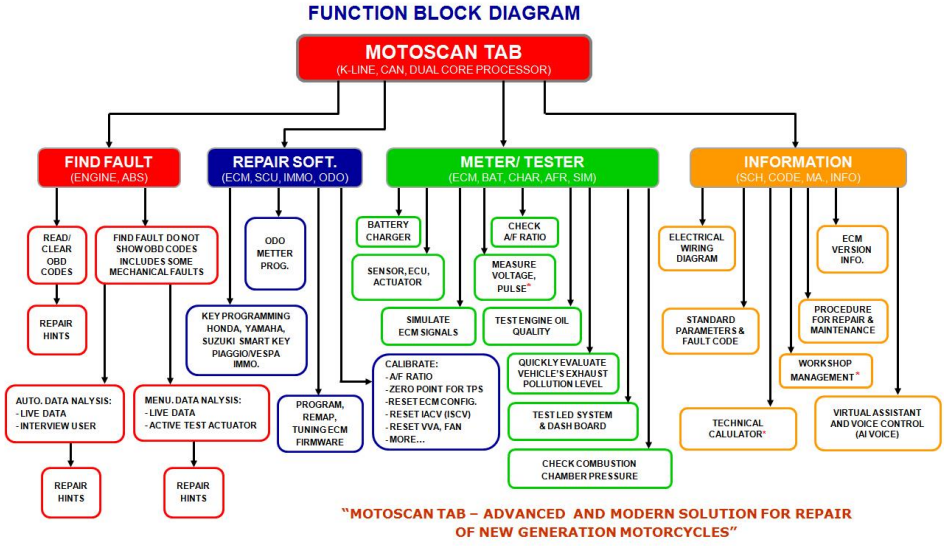
Product is designed compactly and integrated all functions "all in one". It connect wireless with vehicle via Bluetooth communication and used for **diagnosing fault, repair fault for Engine & ABS system; automatic programming smart key system; automatic test ECU inside, automatic engine technical analyzing, intelligent diagnosing without OBD fault code, ODO value correction, ECU signal simulating, programming and upgrading standard software of manufacturer inside ECM, SCU**… and many special measurement functions, full-featured for professional motorbike repair workshop. The device is suitable for repairers who like Multi-Media technology, good quality graphics display, abundant lookup, and multimedia connectivity.

- Comprehensive fault diagnosis support for most VinFast electric motorcycles

- Support multi-language: English, French, Thai, Khmer, Korean, Portuguese, Indonesian, Malaysian, and Vietnamese
- Lookup repair data fast, convenient, smart and object-oriented for most motorcycles of HONDA, YAMAHA, SUZUKI, SYM, KYMCO, PIAGGIO / VESPA manufacturers.
- A gift MOTODATA software used to lookup motorbikes repair data on computer or mobile for 01 year when buy MOTOSCAN TAB.

MOTOSCAN TAB package with accessories

1.2 FUNCTIONS



MOTOSCAN TAB FUNCTION LIST			
ENGINE/ ABS SYSTEM			
NO.	**DESCRIPTION**	**FUNCTIONS ON MOTOSCAN TAB**	**NOTE**
1	Read fault codes stored in ECM	✓	Basic function
2	Advanced display of fault code information (on one screen) including fault code content, component location, fault code principle electrical diagram, the overall principle diagram	✓	Special function developed by DTDAuto
3	Delete fault codes stored in ECM	✓	Basic function
4	Reset ECM	✓	Basic function
5	Display live data	✓	Basic function
6	View modes: List | Analog | Graphic | Waveform	✓	Special function developed by DTDAuto
7	Activate the actuators: Injector, Ignition coil, Fuel Pump, Solenoid valve, Stepper motor, Indicator and Headlight...	✓	Basic function
8	Setting: TPS, Reset IACV, Altitude	✓	Basic function
9	ECM information	✓	Basic function
10	Check depth A/F ratio	✓	Special function developed by DTDAuto

11	Adjust A/F ratio	✓	Basic function
12	A/F ratio tuning by remap for ECM	✓	Basic function
13	Upgrade original ECM & Upload tuning ECM firmware by sample remap files	✓	Basic function
14	Upload user-edited remap files for ECM based on the machine	✓	Special function developed by DTDAuto
15	Upload free user remap files for ECM from another source out of the machine (various selection of modes)	✓	Special function developed by DTDAuto
16	Rescue ECM	✓	Special function developed by DTDAuto
17	Advanced diagnostics with fault codes (analyze to find exact details, fault location) out of range faults	✓	Special function developed by DTDAuto
18	Advanced diagnostics without showing OBD fault codes (analyze by AI technology, find the exact cause, fault location) in of-range faults	✓	Special function developed by DTDAuto
19	In-depth testing for sensors (MAP, TP, ECT, IAT, O2, CKP) both faults out of range and in of range	✓	Special function developed by DTDAuto
20	Check the actuator's operation and quality (IACV, ISC…)	✓	Special function developed by DTDAuto
21	Check the operation, and quality components of hardware and	✓	Special function

	software (specify show the position of components, the position of the cut holes) of Engine ECUs for some HONDA, YAMAHA…		developed by DTDAuto
22	Simulate Input signal types and communication signals to check and diagnose engine system faults (CKP, MAP, TP, IAT, ECT, O2, VSS)	✓	Special function developed by DTDAuto
23	Simulate Output signal types to check and diagnose engine system faults (INJ, IGPLS, RELAY, SOLENOID…)	✓	Special function developed by DTDAuto
ODO SYSTEM			
24	Read the current ODO value	✓	Advanced function
25	Correct and edit ODO value for ODO repair or replacement	✓	Advanced function
26	Reload the original ODO software to repair or replace ODO	✓	Advanced function
27	Look up location, connection diagram, and function pins to check on the same screen, convenient for manipulation, correction, and repair	✓	Special function developed by DTDAuto
28	Simulate normal Vss, K-line Vss signals to check and repair ODO	✓	Special function developed by DTDAuto
SMART KEY SYSTEM			
29	Check the operation of electronic components and the hardware (specify the position of components, the position of the cut holes) of SCU for HONDA, YAMAHA, SUZUKI…	✓	Special function developed by DTDAuto
30	SCU programming - register more keys (FOB)	✓	Special function

			developed by DTDAuto
31	SCU programming - register a new key (FOB) when all keys are lost	✓	Special function developed by DTDAuto
32	SCU programming – inactive use FOB when lost	✓	Special function developed by DTDAuto
33	SCU programming – reactivate use of FOB (after canceling use)	✓	Special function developed by DTDAuto
34	SCU programming – ECMID synchronization between SCU and ECM	✓	Special function developed by DTDAuto
35	Check results of synch FOB and SCU	✓	Special function developed by DTDAuto
36	Check the declared value of KEYID	✓	Special function developed by DTDAuto
37	Read KEYID directly from SCU	✓	Special function developed by DTDAuto
38	Delete KEYID inside SCU	✓	Special function developed by DTDAuto
39	Copy SCU data (from SCU A to SCU B) when repairing	✓	Special function developed

			by DTDAuto
40	Reload SCU sample data when repairing	✓	Special function developed by DTDAuto
IMMOBILISER SYSTEM			
41	Register more keys	✓	Advanced function
42	Register a new key when all keys are lost	✓	Advanced function
43	Read KEYID directly from ECM/IC	✓	Advanced function
44	Check the key, and read the current KEYID through the antenna (for Medley with ECM code: PGQ16)	✓	Advanced function
45	Reset Immobiliser	✓	Advanced function
46	Replace ECM	✓	Advanced function
BMS, MCU, VCU, HMI SYSTEM (FOR VINFAST ELECTRIC MOTORCYCLES)			
47	Read fault codes for Battery management system (BMS), Motor control module, Vehicle control unit (VCU), Human-Machine-Interface (HMI)	✓	Special function developed by DTDAuto
48	Display live data for Battery management system (BMS), Motor control module, Vehicle control unit (VCU)	✓	Special function developed by DTDAuto
OTHER MEASURE FUNCTIONS			
49	Quick connection operation of functions without sequential operation (save	✓	Special function

	connection history and quickly select the function from history)		developed by DTDAuto
50	Quickly evaluate motorcycle combustion chamber pressure using electronic technology	✓	Special function developed by DTDAuto
51	Check the operating quality of the LED lighting system and dashboard system	✓	Special function developed by DTDAuto
52	Check the quality and capacity of the battery	✓	Special function developed by DTDAuto
53	Check the charging status, operation, and quality of the charging system	✓	Special function developed by DTDAuto
54	High-precision measurement of DC voltage from 0V - 20V	✓	Special function developed by DTDAuto
55	Test engine oil quality for motorcycles and cars	✓	Special function developed by DTDAuto
56	Basic assessment of exhaust pollution for motorbikes (Euro 4 standard)	✓	Special function developed by DTDAuto
LOOK UP TECHNICAL DOCUMENTS			
57	Support automatic calculation feature for motorcycle electronics repairmen: calculate the resistance value according to the color rim and according to the symbol on the SMD resistor; calculate the resistance for	✓	Special function developed by DTDAuto

	the LED circuit; calculate the correction resistance of the regulator, and rectifier; calculate sensor calibration auxiliary resistance…		
58	Integrate lookup data and documents, repair data, electrical diagrams of all kinds, and electrical and mechanical specifications in one application	✓	Special function developed by DTDAuto
59	Look up principle diagrams and assembled circuit diagrams for vehicle systems	✓	Special function developed by DTDAuto
60	Look up electrical specifications	✓	Special function developed by DTDAuto
61	Look up engine mechanical specifications and disassembly instructions	✓	Special function developed by DTDAuto
62	Look up the function pin position of ECU, ABS, SCU...	✓	Special function developed by DTDAuto
63	Supports DATALINK function on electrical diagrams	✓	Special function developed by DTDAuto
64	Look up acronyms, wire colors, fault code information, SCU, FOB...	✓	Special function developed by DTDAuto
65	Repair workshop management function: warehouse management, service, personnel, customers, maintenance...	✓	Special function developed by DTDAuto

1.3 APPLICATION RANGE

- It is diagnostic tool in motorcycle/ Scooter workshops and equipment for technical training.
- A semi-finished products connect to trainer for electronic injection & ignition system of PGM-FI motorcycles.
- A safety check equipment of the motorcycles before it is running on the road and in motorcycle club.
- List of motorcycles as below:

NOTES:
Models of motorcycle brands can different depend on market type. Models same ECM type as below can work well with MOTOSCAN TAB.

2. PACKAGE

IMAGE	DESCRIPTION
	**MOTOSCAN TAB hardware**
	**MOTOSCAN TAB software** Software is installed on tablet (Android OS or iOS) *(Tablet of customers or provided by DTDAuto depending on each product package)*
 **P/No: MTB08-DLC01**	**Data cable used to determine fault, view live data active actuators and calibrate parameters for vehicles, kinds of diagnostic connectors:** - HONDA 4-pin DLC - HONDA 6-pin DLC - YAMAHA 1-pin DLC - YAMAHA 3-pin DLC - PIAGGIO/ SYM/ KYMCO/ SUZUKI K-line single-pin

 **P/No: MTB08-DLC02**	**Data cable for HONDA, YAMAHA** *(CAN BUS communication protocol)* Use to determine fault of Engine & ABS system
 **P/No: MTB08-DLC03**	**ECM software programming cable for vehicles, kinds of diagnostic connectors:** - HONDA 4-pin DLC - HONDA 6-pin DLC - PIAGGIO K-Line single-pin
 **P/No: MTB08-SIM**	**ECM simulation cable**
 **P/No: MTB08-SP02**	**HONDA Smart key cable** Used for HONDA: SH, PCX, X-ADV…
 **P/No: MTB08-VS02**	**HONDA Smart key cable** Used for HONDA: VISION 2021, PCX 2021

 **P/No: MTB08-LV02**	**HONDA Smart key cable** Used for HONDA: AIR BLADE, LEAD, VISION, VARIO, CLICK)
 **P/No: MTB08-YS02**	**YAMAHA/SUZUKI Smart key cable**
 **P/No: MTB08-YS03**	**Smart key cable for YAMAHA 2025** (new cable in 2025)
 **P/No: MTB08-TMAX**	**YAMAHA TMAX Smart key cable**
 **P/No: MTB08-ODO1**	**ODO cable for meter that EEPROM is 93CXX and 24CXX**
 **P/No: MTB08-ODO2**	**ODO cable for YAMAHA NVX, JANUS, TFX**

 **P/No: MTB08-ODO3**	**ODO cable for PIAGGIO/ VESPA**
 **P/No: MTB08-TEST**	**Data cable used for checking battery and generator**
 **P/No: MTB08-UPD**	**Update cable** Use to update and upgrade software
 **P/No: MTB08--POWER**	**12V/ DC power cable**
	**220V/AC to 12V/ DC power converter**
	**Jump cables for:** - K-line cable - Power cable - YAMAHA cable
	**Spare fuse**

	**MOTODATA software on PC or mobile** *Free 01 using year, need pay fee to renew for the next year*
	**Guide book**
	**Hand bag**
	**Box**

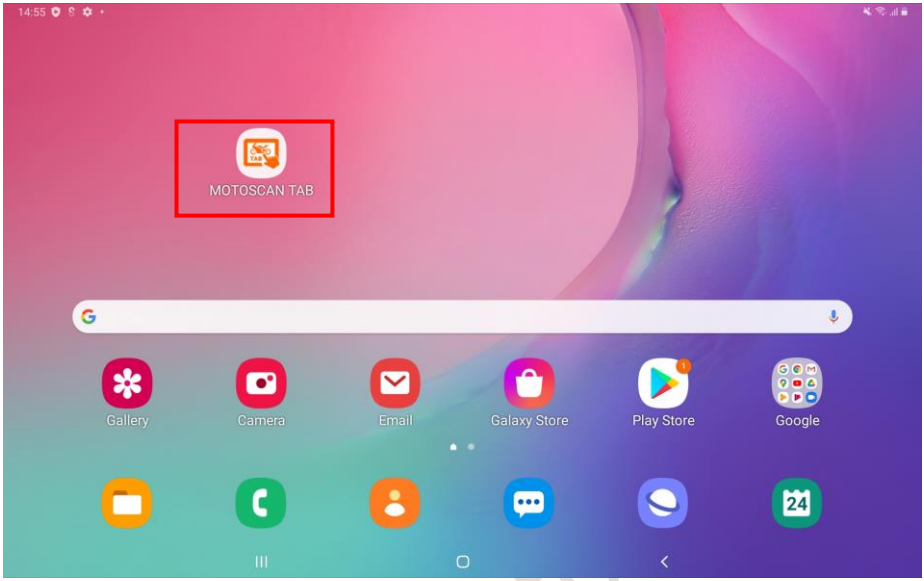
3. GUIDE TO ACTIVATE COPYRIGHT MOTOSCAN TAB

Step 1: Scan QR code to download and install MOTOSCAN TAB application from Google Play (Android OS) or App Store (iOS) for your tablet:

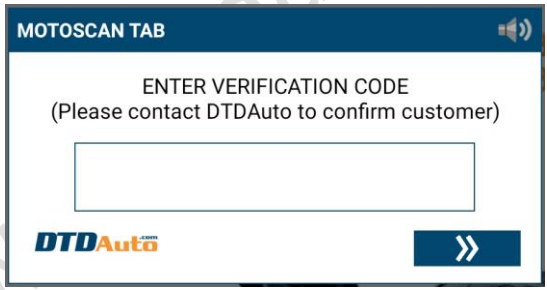
a. Tablet with Android OS:

b. Tablet with iOS:

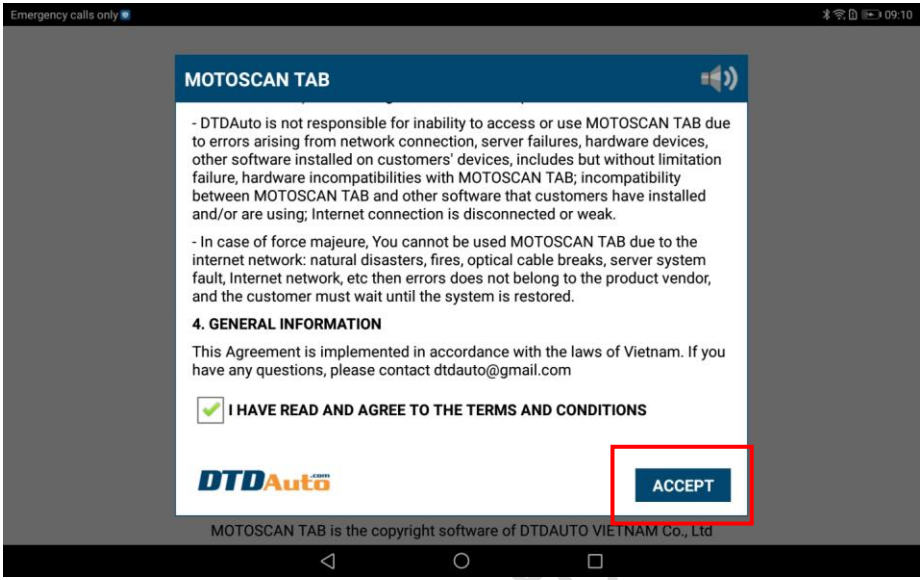
Step 2: Open MOTOSCAN TAB application from the icon on screen



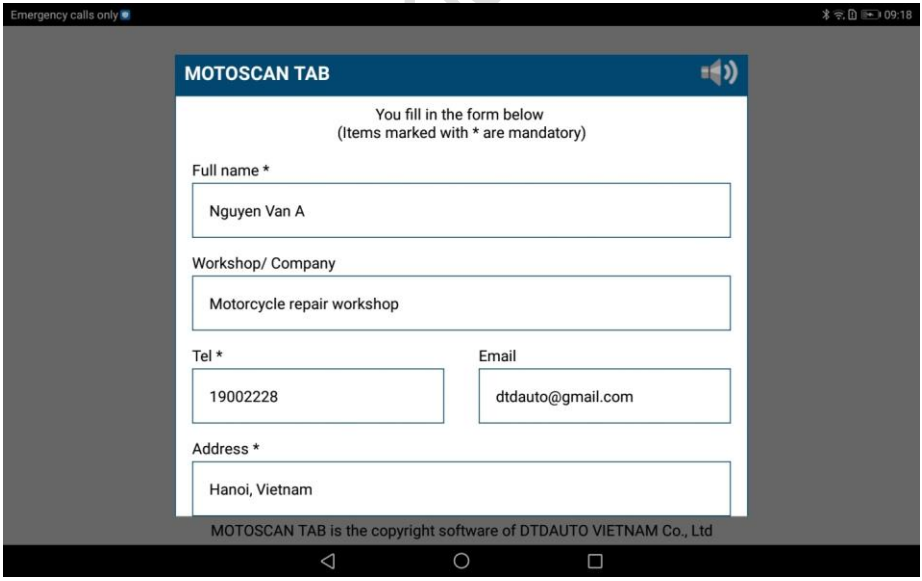
Step 3: Enter verification code. Please contact WhatsApp: +84913555416/ +84912216555, Gmail: dtdauto@gmail.com to get code then enter it into textbox.

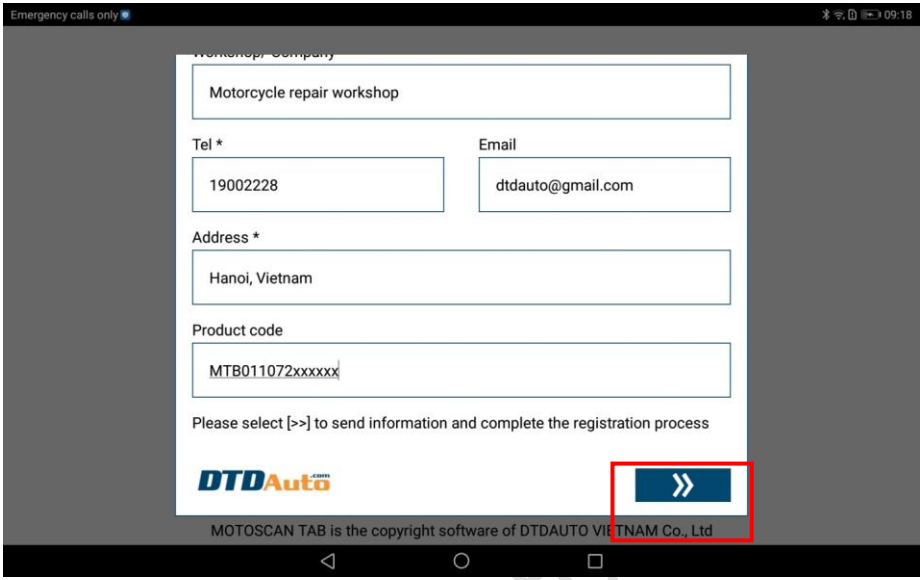


Step 4: The screen display use term of MOTOSCAN TAB. You slide scrollbar at right side to read full content. Please read these terms and conditions carefully. Please select "**I HAVE READ AND AGREE TO THE TERMS AND CONDITIONS**" and click to "**ACCEPT**" button if you want to use software.

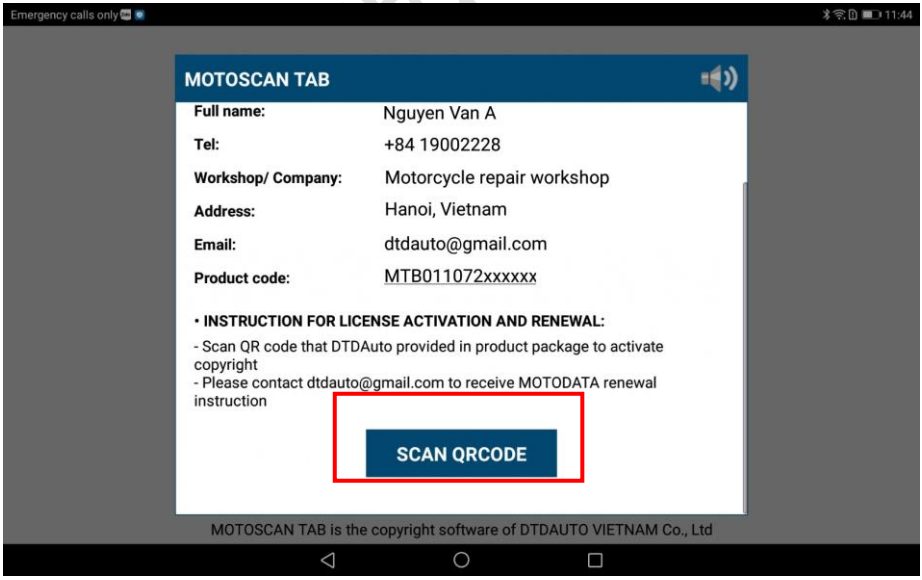


Step 5: Please fill all information as MOTOSCAN TAB request then click on [**>>**] button for next. (note, input fields marked with an asterisk (*) are required)

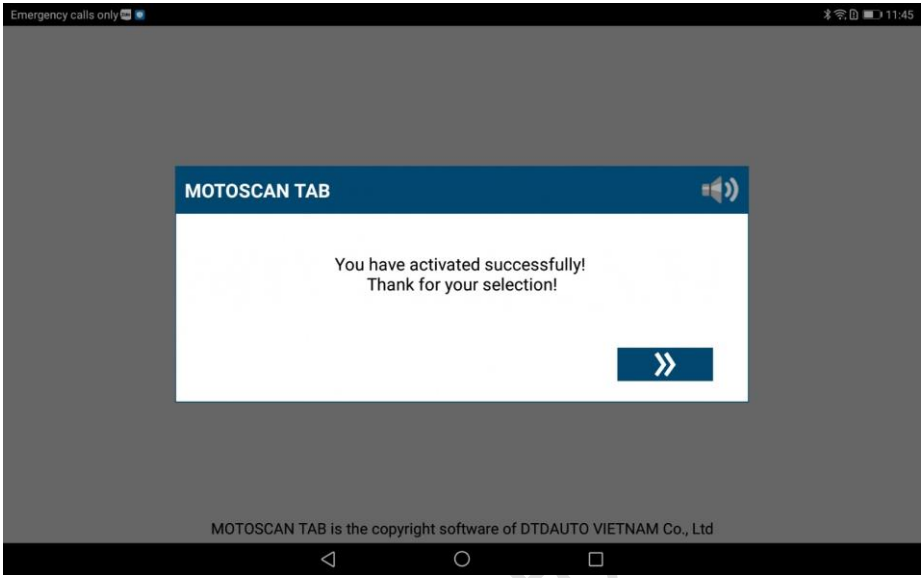




Step 6: When tablet screen show on customer's information and activation guide for MOTOSCAN TAB. You slide scrollbar at right side to check full content. If true all, click to "**SCAN QR CODE**" button to scan QR Code label that DTDAuto provided in product package to register software license.



After activation is successful then on top screen show as below:



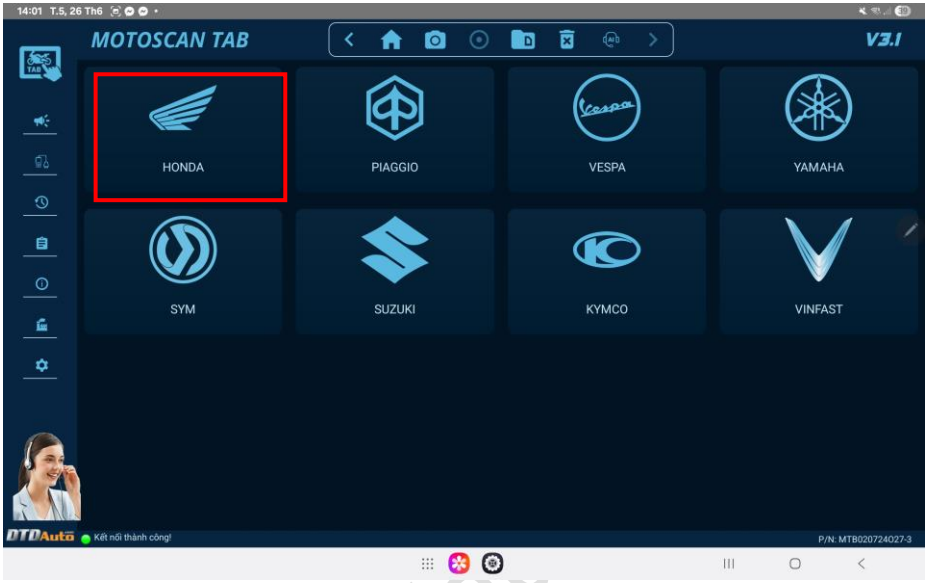
4. FUNCTIONS

4.1 READ FAULT CODES OF ENGINE, MOTOR AND ABS SYSTEMS

This function used to read fault codes stored in ECU, Mo of PGM-FI /FI motorcycles

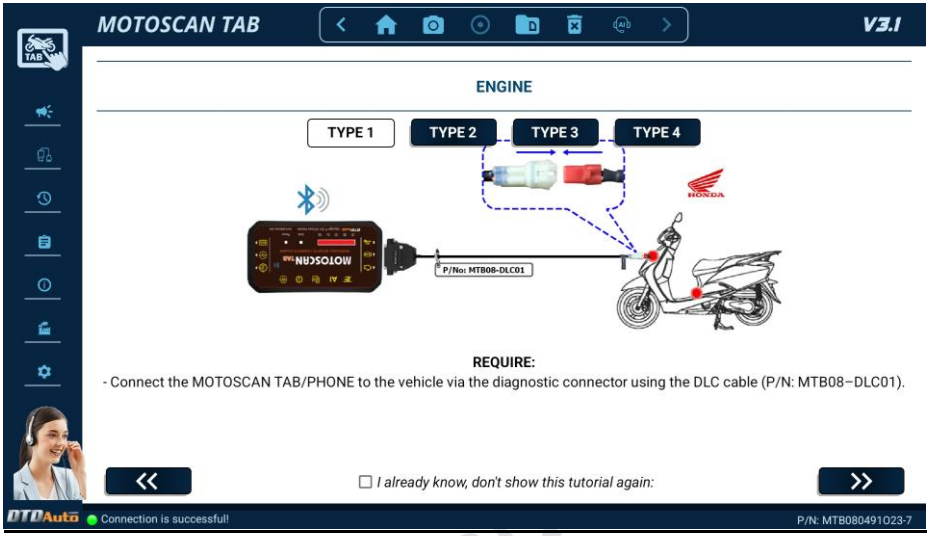
Step 1: From main screen of MOTOSCAN TAB, select engine type or Motor that you want to connect. Example "**Gasoline engine**":

Step 2: Select manufacturer, example "**HONDA**"



Step 3: Connect the MOTOSCAN TAB to your vehicle. Example "**Find vehicle automatically**":

Connect to vehicle as instruction on the screen:



Step 4: Select "**Read fault code**"

Step 5: The display shows a list of fault codes

4.2 CLEAR FAULT CODES IN ECU MEMORY

This function used to clear fault codes stored in the ECU to complete the repair or delete virtual fault codes stored in the ECU memory.

Step 1: Please vehicle that you want to clear fault code (view 4.1 Item)

Step 2: Please select "**Clear fault code**" function.

Step 3: Please click to "**Continue**" button to clear fault code.

IMPORTANT NOTES:

After the repairs and parts replacement, you need to run motorcycle in the loading, fast speed of engine about 15 minutes to heat the engine. Read fault codes more times, if fault codes still show on MOTOSCAN TAB, means your repairs not completed, you need to recheck.

If not any fault codes show on MOTOSCAN TAB then repair you have done. Check results again if necessary...

4.3 RESTORE SOFTWARE IN ECU

Now, this function supports for HONDA, PIAGGIO motorcycles. It used to restore software in ECU to manufacturer's original state. When you execute this function, you need execute in accordance with the instructions on screen of MOTOSCAN TAB. Especially, you need start engine for 10 minutes after restoring to have ralenty again.

Step 1: Please vehicle that you want to restore ECM software (view 4.1 Item).

Step 2: Please click to "**Restore ECM**" button to restore software in ECM.

Step 3: Click to "**Continue**" button then view and operate as instruction on the screen.

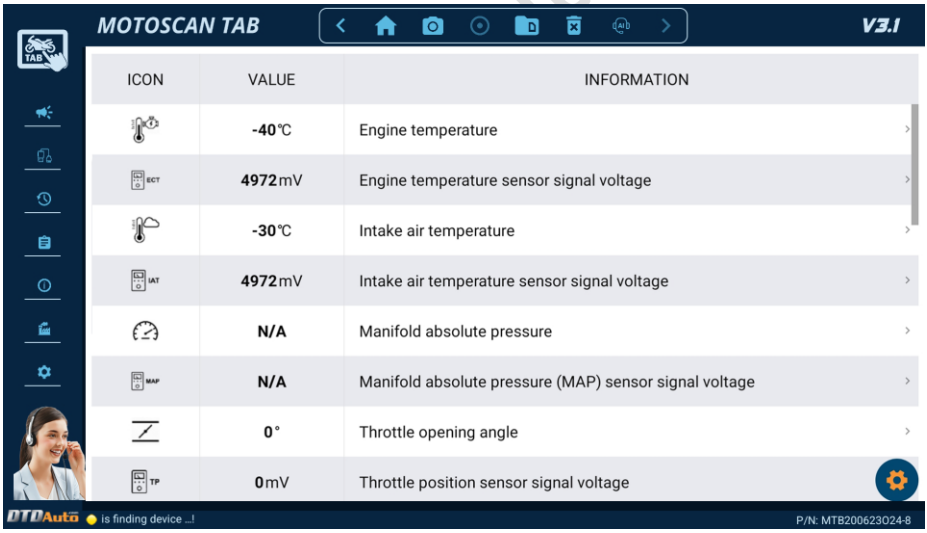
4.4 VIEW LIVE DATA

This function used for the purpose of inspection and analysis of input signal circuit *(INPUT)* of the ECU to determine difficult fault that OBD automatic mode cannot be determined.

Step 1: Please vehicle that you want to view live data (view 4.1 Item

Step 2: Please click to "**Live data**" button to view live data

Step 3: The screen display list of live data



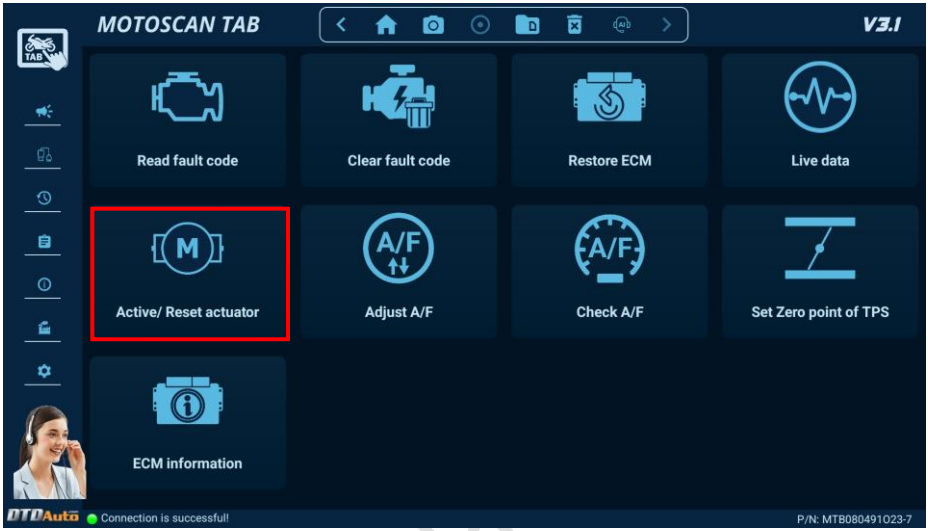
You can view live data by text data or analog data

4.5 ACTIVE/RESET ACTUATORS

Now, this function supports for YAMAHA, PIAGGIO motorcycles. It used to active, check and analyze output signal circuit *(OUTPUT)* of the ECU and actuators to determine difficult faults OBD diagnostic mode cannot be determined.

Step 1: Please vehicle that you want to active/ reset actuators (view 4.1 Item) *(Example: Vespa LX 125 MIUG3)*

Step 2: Please select "**Active/ Reset actuator**" button



Step 3: The screen displays list of actuators. Choose an actuator to enable activation *(Example: RESET IACV)* then action accordance with the instructions on screen to complete.

4.6 CHECK A/F RATIO

Now, this function used for PGM-FI/FI motorcycles of HONDA, PIAGGIO, SYM, YAMAHA and KYMCO that is equipped O2 sensor.

Step 1: Please vehicle (view 4.1 Item) to check A/F ratio *(Example: VESPA LX125 MIUG3)* then select "**ENGINE SYSTEM**" button

Step 2: Select "**Check A/F**" function

Step 3: Action accordance with the instructions on screen to complete

4.7 ADJUST AIR/FUEL RATIO

Step 1: Please vehicle (view 4.1 Item) to adjust A/F ratio *(Example: VESPA LX125 MIUG3)*.

Step 2: Select "**Adjust A/F**" function

Step 3: Actions accordance with the instructions on the screen.

4.8 SET TPS ZERO POINT VALUE

Now, this function used for PIAGGIO PGM-FI/FI motorcycle.

Step 1: Please vehicle (view 4.1 Item) to set TPS zero point *(Example: VESPA LX125 MIUG3)* then select "**ENGINE SYSTEM**" button.

Step 2: Select "**Set Zero point of TPS**" function

Step 3: Actions accordance with the instructions on screen

Step 3: Action accordance with the instructions on screen to complete

4.9 SET OPERATION RANGE OF THROTTLE POSITION SENSOR

This function used to set value of Throttle position sensor when replace sensor or ECM for PIAGGIO/ VESPA motorcycles *(ECM type: PGN04, PGS02, PGT01, PGQ16).*

Step 1: Please vehicle (view 4.1 Item) to set operation range of TPS *(Example: MEDLEY 125 PGQ16)* then select "**ENGINE SYSTEM**"

Step 2: Select "**Set TP range**" function

Step 3: Actions accordance with the instructions on screen

4.10 VIEW ECM INFORMATION

Step 1: Please vehicle that you want to view ECM information (view 4.1 Item)

Step 2: Please select "**ECM information**" function

Step 3: Action accordance with the instructions on screen to finish

4.11 PROGRAMMING SMART KEY FOR HONDA, YAMAHA

This function used to program smart key automatically for HONDA, YAMAHA, SUZUKI:
- Read all KEYID# and ECMID from vehicle SCU
- Program smart key directly with vehicle or without vehicle (SCU is not installed on vehicle) for cases:
    + Register more FOB# for all of cases
    + Register FOB# when lost all of the FOB#

+ Delete KEYID in SCU memory
+ Synchronize SCU & ECM for all of cases
+ Inactivate FOB# code in SCU when lost FOB#
+ Check FOB# & SCU
+ Display status of KEY (ON/OFF)
+ Display SCU information

- Restore SCU data from sample data for HONDA (this function used to repair software inside SCU when SCU data is fault)
- Copy data from source SCU to destination SCU for all motorbikes that have Smart key system: HONDA, YAMAHA, SUZUKI (This function used to repair, swap SCU when have SCU hardware/software fault)
- Quick sync SCU & ECM (without FOB) for HONDA: SH, PCX, X-ADV... and equivalent vehicles

Step 1: Please vehicle (view 4.1 Item) to program Smart key system then select "**SMART KEY SYSTEM**"

Step 2: The screen display function table:

Step 3: Please select function that you want to operate then action accordance with the instructions on screen

4.12 PROGRAMMING KEY IMMOBILIZER FOR PIAGGIO/VESPA

This function used for key programming of PIAGGIO/ VESPA that have IC types are: AC13I, AC191, AC19I, AC20I, AC21I, AC23I, AC24I, AC25I, AC27I, AC32I, AC5I, AC8I, ACI600, AC601, ACI602, ACI603, ACI604,

ACI605, ACI606, ACII, AC2I, AC5I, AC8I, AC13I and ECM types are: MIU1, MIU2, MIU G3/RIU1, MIU4, PGN04/PGS02/PGT01 in the following cases:
- Register slave key when have master key
- Register key when lost all keys *(master and slave key)*
- Replace ECM
- Unsubscribe key and reset immobilizer

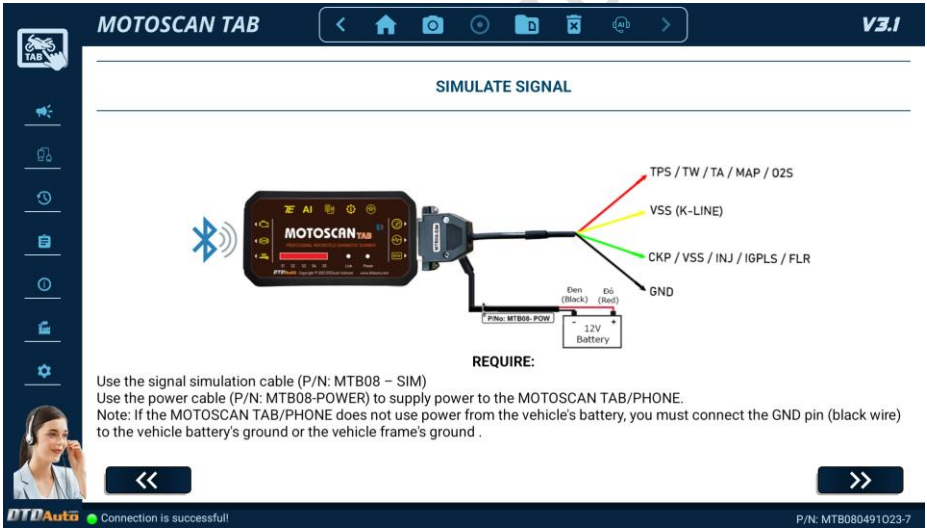
Step 1: Please vehicle (view 4.1 Item) to program Immobilizer system then select "**IMMOBILIZER SYSTEM**" function

Step 2: The screen displays function table. Please select function that you want to operate then action accordance with the instructions on screen

4.13 SIMULATE SIGNAL

Step 1: Please select "**Simulate signals**" function

Step 2: The screen display list of signals:



Step 3: Please select signal type that you want to simulate then action accordance with the instructions on screen

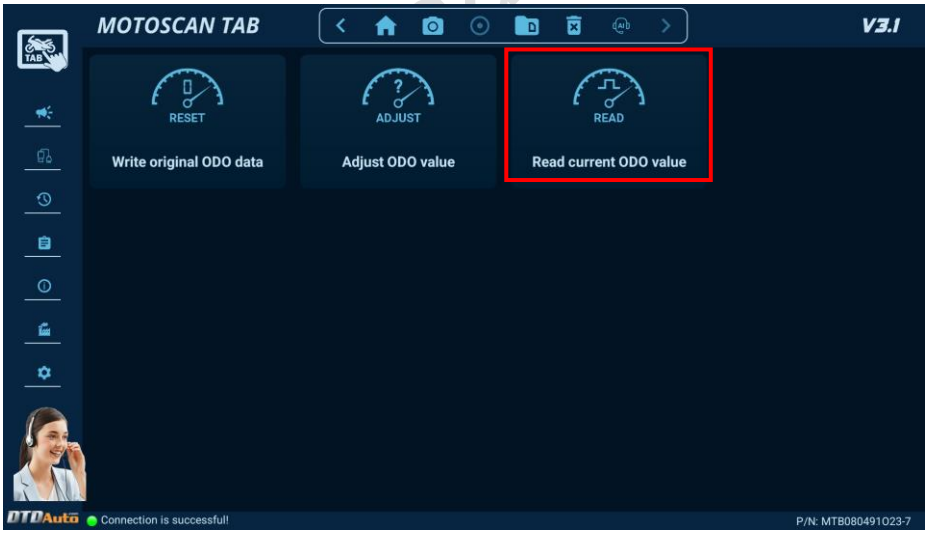
4.14 ADJUST ODOMETER

4.14.1 Adjust Odometer

This function used to adjust ODO value on LCD screen when you replace a new dashboard or odometer is faulty that you need edit new ODO value equivalent with old ODO value to follow motorcycle using time and maintenance time.

Step 1: Please vehicle that you want to adjust odometer (view 4.1 Item) then select "**ODO SYSTEM**" function

Step 2: The screen display function table. Please select "**ADJUST ODO VALUE**" function



Step 3: Please select function that you want to operate then action accordance with the instructions on screen

NOTE:

You must choose right motorcycle model. If you select wrong model when you load data, data inside EEPROM will be wrong and is the cause of failed software inside odometer.

4.14.2 Write ODO original data

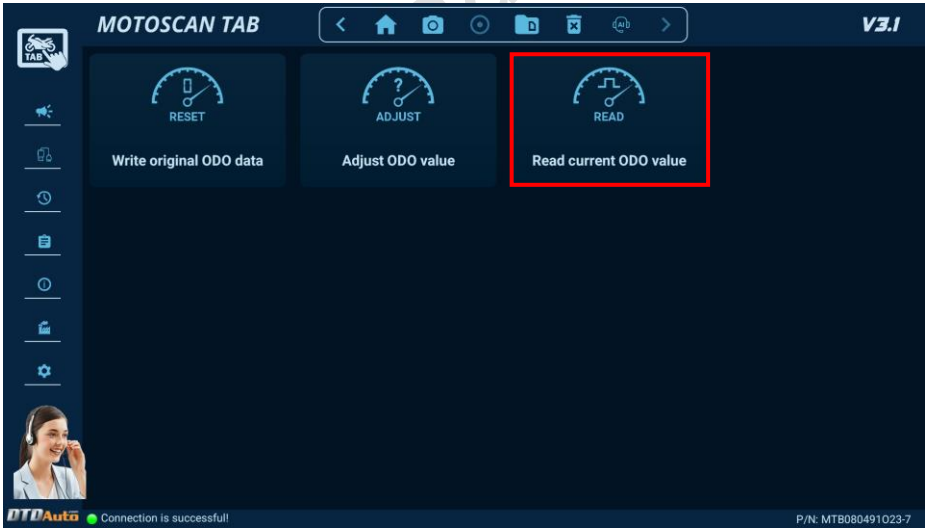
When you check odometer, if you see clockwise do not change or meter do not display numeric value then original data of meter can be fail, you need use "**Write original ODO data**" function to repair data in odometer

Step 1: Please select "**Write original ODO data**" function

Step 2: Action accordance with the instructions on screen to finish

4.14.3 Read current ODO value

Step 1: Please select "**Read current ODO value**" function



Step 2: Action accordance with the instructions on screen to finish

4.15 ADJUST A/F RATIO, RELOAD ECM, TURN OFF SMART KEY

Step 1: Please vehicle that you want to upgrade MCU (view 4.1 Item) then select "**ENGINE SYSTEM**"

Step 2: Please select "**RELOAD ECM SOFTWARE, TURN OFF SMART KEY**" function

Step 3: Action accordance with the instructions on screen to finish

4.16 AUTOMATIC FAULT ANALYSIS, TEST ECU, SENSOR, ACTUATOR and MOSFET/TRANSISTOR

4.16.1 Automatic fault analysis (AI technology)

Step 1: Select "**Advanced diagnosis**"

Step 2: You select "**Automatic fault analysis**":

4.16.2 Test ECU

Step 1: From advanced diagnosis function menu select "**ECU**":

Step 2: The screen displays list of ECU:

Step 3: Select the ECU that you want to check then follow the on screen instructions until finished.

4.16.3 Test sensor

Step 1: From advanced diagnosis function menu select "**Sensor**":

Step 2: The screen displays list of sensor:

Step 3: Select the sensor that you want to check then follow the on screen instructions until finished.

4.16.4 Test actuator

Step 1: From advanced diagnosis function menu select "**Actuator**":

Step 2: The screen displays list of actuator:

Step 3: Select the actuator that you want to check then follow the on screen instructions until finished.

4.16.5 Test MOSFET, TRANSISTOR

Step 1: From advanced diagnosis function menu select "**MOSFET, TRANSISTOR**":

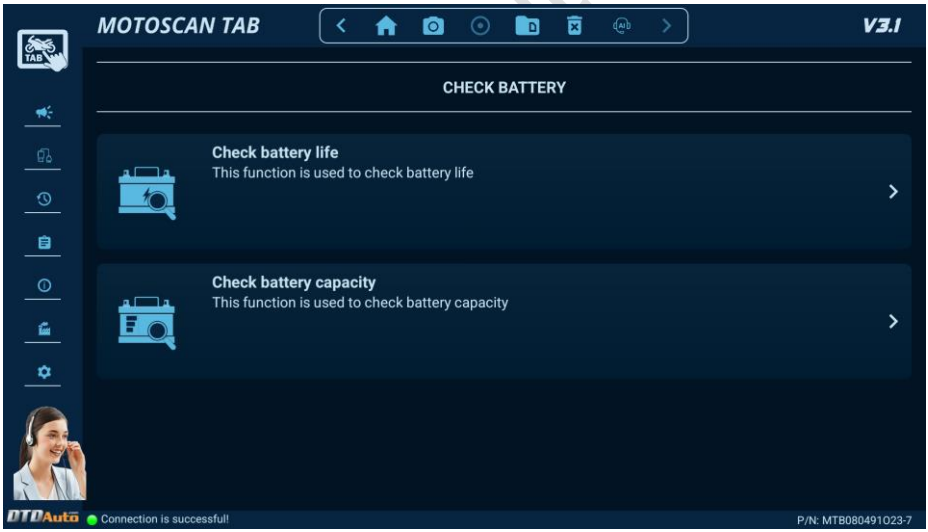
Step 2: The screen displays ignition coil or injector:

Step 3: Select the actuator that you want to check then follow the on screen instructions until finished.

4.17 CHECK QUALITY AND CAPACITY OF BATTERY

Step 1: Please select "**Check battery**" function

Step 2: The screen display function table:



Step 3: Please select function that you want to operate then action accordance with the instructions on screen

NOTES:

Connect correct electrical terminal of cable to battery *(red clamp to the positive battery, black clamp to the negative battery)*

4.18 CHECK GENERATOR AND CHARGING SYSTEM STATUS

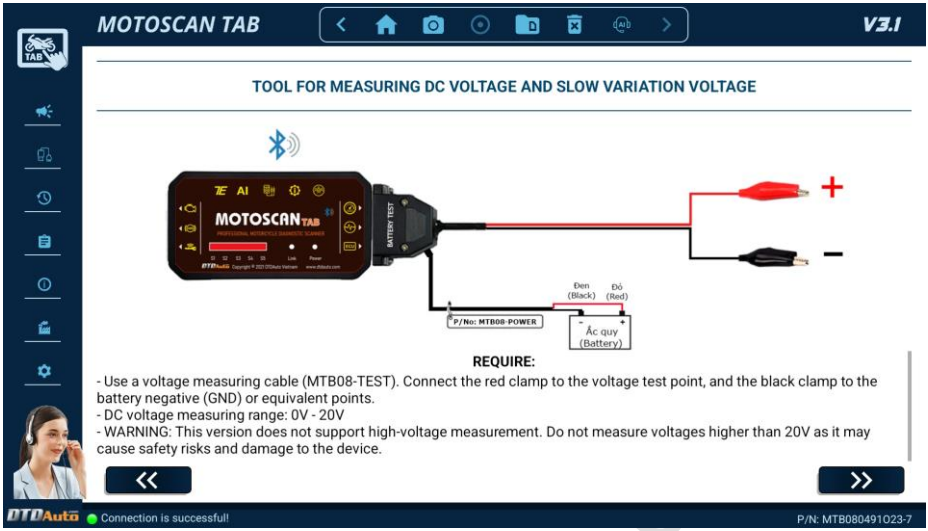
Step 1: Please select "**Check generator and charger**" function

Step 2: Please action accordance with the instructions on screen

4.19 MEASURE DC VOLTAGE AND SLOW VARIATION VOLTAGE

Step 1: From the main screen of MOTOSCAN TAB select "**DC voltage and pulse measuring tool (0V-20V)**"

Step 2: Follow the on-screen instructions until finished.



4.20 QUICKLY EVALUATE THE COMBUSITION CHAMBER

Step 1: Select "**Quickly evaluate the combustion chamber**"

Step 2: Select the vehicle for which you want to check the combustion chamber pressure (item 4.1)

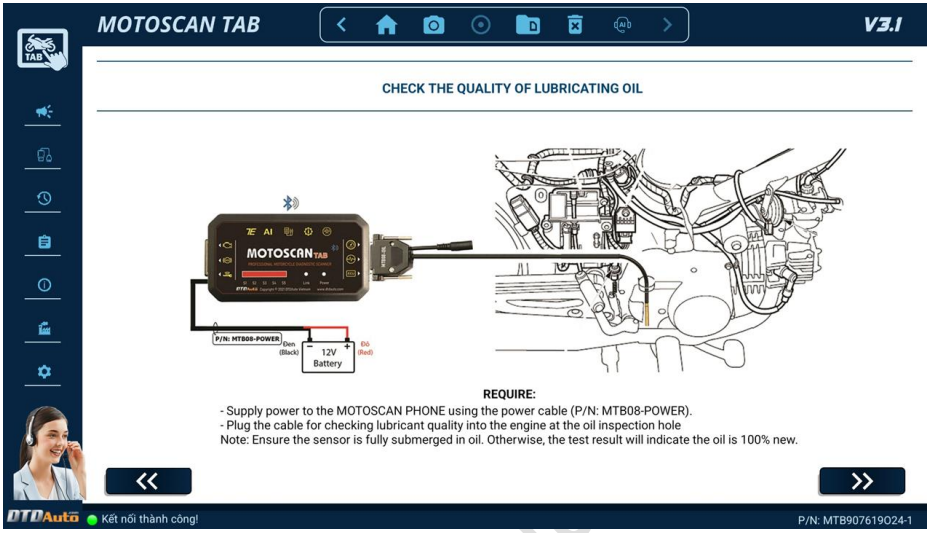
Step 3: Follow the on-screen instructions until finished.

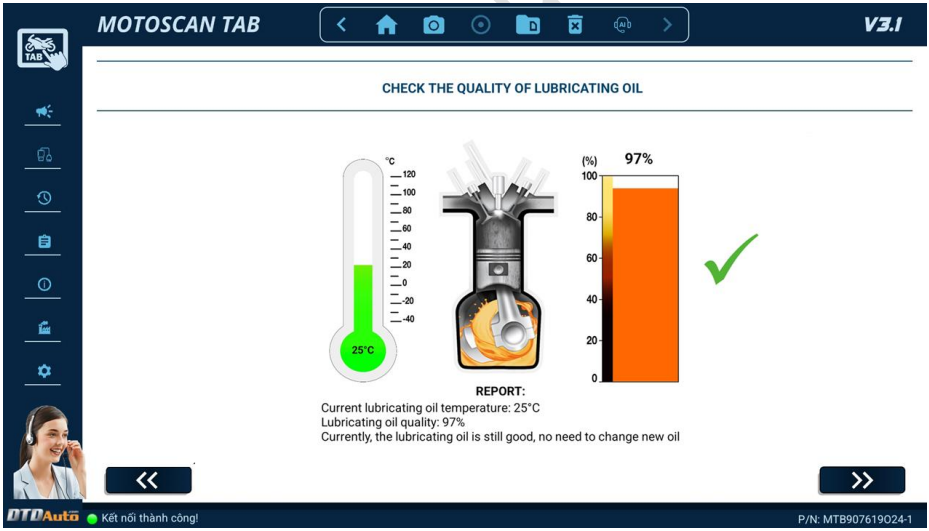
4.21 CHECK THE ENGINE OIL QUALITY FOR MOTORCYCLES AND CARS

Step 1: Select "**Check the quality of lubricating oil"** function from the main screen of MOTOSCAN TAB

Step 2: Use the oil quality test cable to connect to the MOTOSCAN TAB. If you do not have this cable, please contact dtdauto@gmail.com to purchase.

Step 3: Follow the on-screen instructions until the results are displayed.

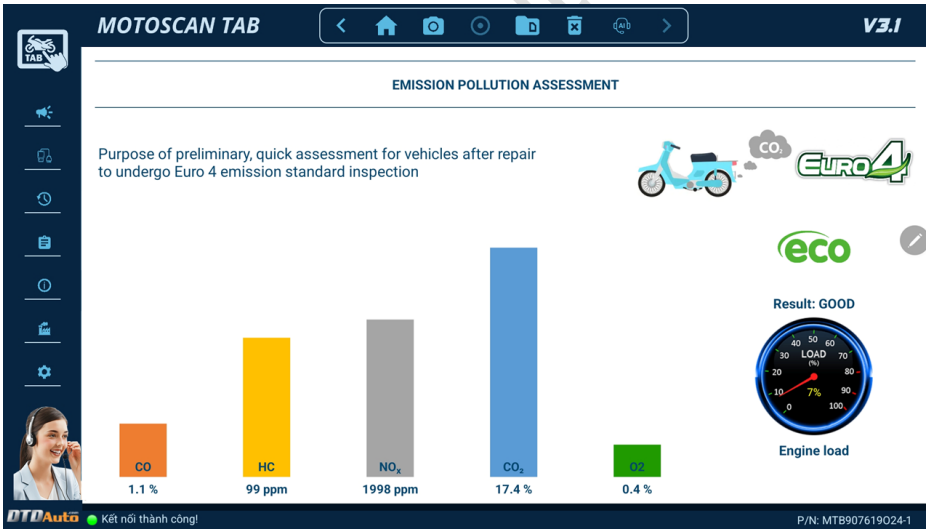




4.22 BASIC ASSESSMENT OF EXHAUST POLLUTION FOR MOTORBIKES

Step 1: Select "**Emission pollution assessment**" function from the main screen.

Step 2: Follow the on-screen instructions until the results are displayed.



4.23 LOOK UP REPAIR DATA

This function used to look up repair document, connection diagram, fault code content, ECU signal pin, vv…

Step 1: Please select icon as image below:

Step 2: Action accordance with the instructions on screen to lookup information that you want to find

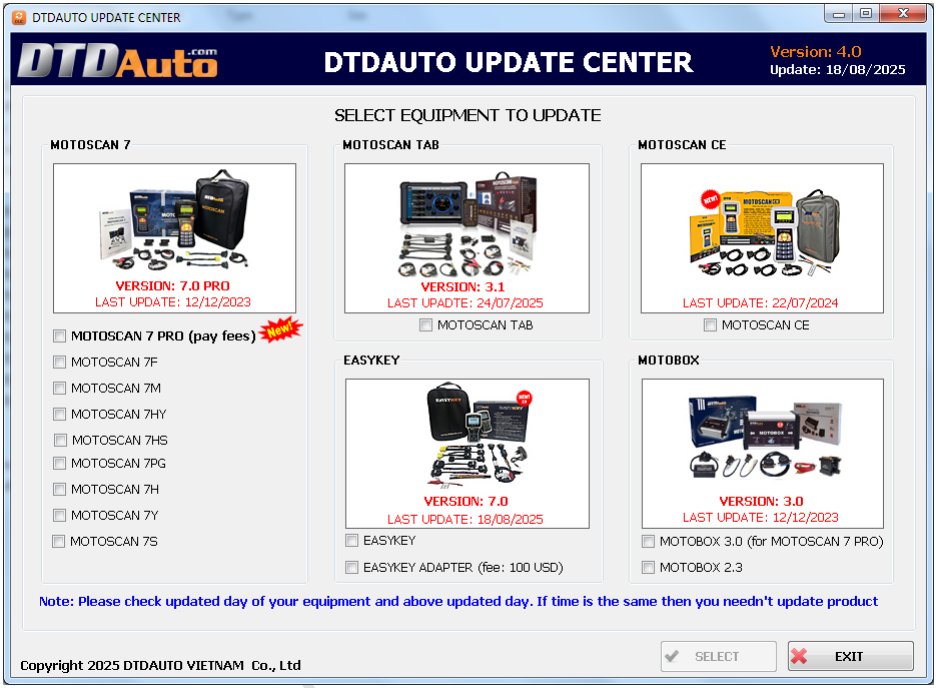
5. UPDATE MOTOSCAN TAB

5.1 PREPARE

- Connect your computer (Windows operating system) to internet
- Connect EASYKEY to computer via USB port MTB08-UPD cable

5.2 PERFROM STEPS

- Download and install "**DTDAUTO UPDATE CENTER**" application. Click link here: **https://dtdauto.com/UPDATE-EN**



- Select "**MOTOSCAN TAB**" and update as instruction on software
- Contact to DTDAuto (WhatsApp: +84913555416; +84912216555 or Gmail: dtdauto@gmail.com) to support.

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