

## QUICK GUIDE

# D5

## TOOL READ, WRITE TRANSPONDER FOR PIAGGIO MOTORCYCLES



## I. INTRODUCTION

**D5** – This useful product will help you to save more time and money when solving complex problems related to immobilizer repair. It is used to copy the new key when lost for all new generation scooters having an immobilizer of **PIAGGIO/VESPA** manufacturer.



PIAGGIO  
Beverly



PIAGGIO  
Medley 125



PIAGGIO  
Medley S 150



PIAGGIO Liberty  
3V ie



PIAGGIO  
Liberty S 3V ie



PIAGGIO  
Liberty ABS



PIAGGIO Liberty  
Italia Go



PIAGGIO Liberty  
Italia



PIAGGIO  
Liberty S ie



PIAGGIO  
Liberty ie



PIAGGIO Fly 3V



PIAGGIO Fly ie



PIAGGIO X8



PIAGGIO X10



PIAGGIO Zip



VESPA GTS  
Super 3V ie



VESPA  
Primavera ABS



VESPA  
Primavera



VESPA LX



VESPA LX Bi-  
Colour



VESPA LX ie



VESPA LX 3V ie



VESPA LXV 3V  
ie



VESPA  
Sprint 3V ie



VESPA  
Sprint ABS



VESPA PX



VESPA  
946 Bellissima



VESPA 946



VESPA 946  
Emporio Armani



VESPA GTS 125



VESPA S



VESPA LT 3V ie

**II. FUNCTION**

- Read transponder information
- Write transponder information
- Copy the new key when have master key
- Combine with **MOTOSCAN** to program key when lost all keys

FUNCTION TABLE				
LIST OF MOTORCYCLES	READ TRANSPONDER	WRITE TRASNPONDER	COPY THE NEW KEY	COMBINE WITH MOTOSCAN TO PROGRAM KEY WHEN LOST ALL KEY
BEVERLY 125	✓	✓	✓	✓
BEVERLY 300	✓	✓	✓	✓
BEVERLY 350	✓	✓	✓	✓
FLY 125	✓	✓	✓	✓
FLY 150	✓	✓	✓	✓
LIBERTY 125	✓	✓	✓	✓
LIBERTY 150	✓	✓	✓	✓
LIBERTY 125 3V	✓	✓	✓	✓
LIBERTY 150 3V	✓	✓	✓	✓
LIBERTY ABS	✓	✓	✓	✓
MEDLEY 125 ABS	✓	✓	✓	✓
MEDLEY S 150	✓	✓	✓	✓
VESPA 946 125	✓	✓	✓	✓
VESPA 946 150 3V	✓	✓	✓	✓

<b>LIST OF MOTORCYCLES</b>	<b>READ TRANSPONDER</b>	<b>WRITE TRANSPONDER</b>	<b>COPY THE NEW KEY</b>	<b>COMBINE WITH MOTOSCAN TO PROGRAM KEY WHEN LOST ALL KEY</b>
GTS 125 MIUG3	✓	✓	✓	✓
GTS150 MIUG3	✓	✓	✓	✓
GTS125 ABS	✓	✓	✓	✓
GTS300 ABS	✓	✓	✓	✓
LT125 MIUG3	✓	✓	✓	✓
LT150 MIUG3	✓	✓	✓	✓
LX125 MIUG3	✓	✓	✓	✓
LX150 MIUG3	✓	✓	✓	✓
LX125 3V	✓	✓	✓	✓
LX150 3V	✓	✓	✓	✓
LXV125 2V MIUG3	✓	✓	✓	✓
LXV125 3V MIUG3	✓	✓	✓	✓
LXV150 3V MIUG3	✓	✓	✓	✓
PRIMAVERA	✓	✓	✓	✓
PRIMAVERA ABS	✓	✓	✓	✓
S125 MIUG3	✓	✓	✓	✓
S150 MIUG3	✓	✓	✓	✓
S125 3V MIUG3	✓	✓	✓	✓
S150 3V MIUG3	✓	✓	✓	✓
SPRINT 125 3V	✓	✓	✓	✓
SPRINT 150 3V	✓	✓	✓	✓
SPRINT ABS	✓	✓	✓	✓
X8 125	✓	✓	✓	✓
X8 150	✓	✓	✓	✓
X10 125 MIUG3	✓	✓	✓	✓
X10 350 MIUG3	✓	✓	✓	✓
PIAGGIO Mechanical carburetor	✓	✓	✓	✓
Other PIAGGIO FI	✓	✓	✓	✓

**III. DESCRIPTION**



No	DESCRIPTION
1	LCD screen display information
2	Key pad to select function
3	Key reader area
4	Computer connection
5	Power connection
6	Power switch

**IV. FUNCTION**

**NOTES:**

You need prepare the key that transponder able to write information or blank transponder.


Chip type only able to read data that do not write data will not be executed this function.

**1. Read transponder**

**Step 1:** Turn on power switch and wait until starting has finished.

**Step 2:** Insert key into the key reader area



**Step 3:** Press “” button on the key pad to read transponder. Transponder information displays as below:



Line 1: Transponder information

Line 2: Transponder type information

## 2. Copy the new key when have a master key

**Step 1:** Turn on power switch and wait until starting has finished.

**Step 2:** Insert master key into key reader area



**Step 3:** Press "R" button on the keypad to read transponder information of master key, the screen display as below:



Transponder information will be stored in D5 machine memory.

**Step 4:** Remove the master key out of key reader are

**Step 5:** Insert the new key into the key reader are

**Step 6:** Press "W" button to select "Write transponder" function into the new key.

**Step 7:** Press "2" button to write information into the key



Wait few seconds, if transponder information writing is successful then the screen displays as below:



If transponder information writing is fail then the screen displays as below:



### 3. Write transponder


**Step 1:** Press  button on the keypad

**NOTES:** Do not put key into key reader area when press [R] button


The screen displays as below:

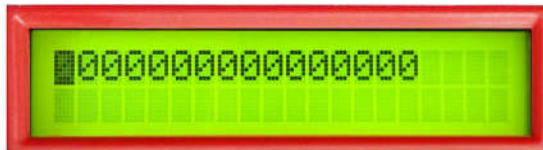




**Step 2:** Press "  " button to select "Write transponder" function:



**Step 3:** Select transponder type "TYP: 11" and then press "  " button, the screen displays as below:




**Step 4:** Enter transponder information that you read from MOTOSCAN into D5 machine.

(Notes: Press "  " and "  " button to move cursor)

Example: If MOTOSCAN read transponder information is "7D5F000023AFED89" then you enter it into D5 machine as below:



**Step 5:** Press "  " button to enter transponder type, the screen displays as below:



**Step 6:** Insert key into key reader area

**Step 7:** Press "W" button to determine transponder type

**Step 8:** Press "2" button to write transponder information into key



Wait few seconds, if transponder information writing is successful then the screen displays as below:



If transponder information writing is fail then the screen displays as below:



**4. Combine with MOTOSCAN to program the new key when lost all key**

**Step 1:** You use MOTOSCAN to read transponder information stroed in ECU.



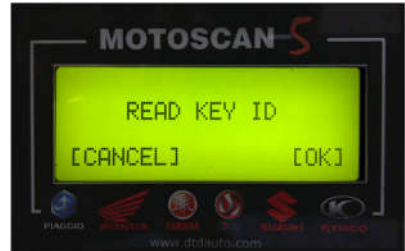
1. From the screen displays models of brand, select a model to register a new key (Example: VESPA LIBERTY 150 3V PGN04). Press **"Select/ OK"** button, the screen displays function table:



2. Press **"Shift Down"** button to select **"KEY PROGRAM"** menu in function table, then press **"Select/ OK"** to select **"ALL LOST KEY"** menu



Press "**Select/ OK**" to continue:



3. The screen displays information of master key and slave key:



**Step 2:** Write transponder information that you read from MOTOSCAN into the new transponder as item "**3. Write transponder**".

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