

QUICK GUIDE

P - TESTER

TOOL TEST COMPRESSION PRESSURE INSIDE
THE CYLINDER AND FUEL PRESSURE
(for motorbike)



1. FUNCTION

- Check maximum compression pressure in engine cylinder
 - + Check, survey longevity and quality of engine mechanical part and compare with a new engine
 - + Diagnose fault of related components as: compression ring, tightness of valves
 - + Compare quality and tightness of each cylinders in the engine
- Check pipe, fuel pump compression pressure of EFI engine
 - + Check, survey static standard pressure and dynamic pressure of fuel supply system on EFI.
 - + Check the tightness of injectors, one-way valve and pipeline
 - + Diagnose fault and quality of fuel pump, fuel filter, fuel pressure regulator
 - + Used for faults diagnosing of vehicle that many new technicians are very difficult to detect related problems to fuel pressure such as high fuel consumption, black smoke, "fresh" fuel smell, weak accelerating, engine difficult to starting
 - + Especially: The motorcycle workshops should equip this tool to check the safety and the absolute tightness of fuel system on EFI new generation motorcycle using high pressure creating to fuel inject into engine. "One of the main causes of vehicle fire in recent times!"

2. P-TESTER PART LIST

NO.	PART NUMBER	IMAGE	PART NAME	FUNCTIONS
1	MS004-METER		Meter measure pressure and pressure exhaust valve	Used to measure compression pressure in engine cylinder and fuel pump/ common rail pressure
2	MS004-T1		Pipes and one-way valve	Accessories for measuring compression pressure in the engine cylinder

3	MS004-T2		Connector	Connector set for Air Blade 2008-2009
4	MS004-T3		Connector	Connect with rubber pipe (big type) for SH Honda
5	MS004-T4		Connector	Connect with small rubber pipe to measure fuel pressure
6	MS004-T5		Connector	Connect with small rubber pipe to measure fuel pressure
7	MS004-P1		Fuel pipe (big type 1)	Used to measure fuel pressure
8	MS004-P2		Fuel pipe (big type 2)	Used to measure fuel pressure
9	MS004-A1		Pipe clamps	Used to tighten fuel pipes and connectors on vehicles to prevent fuel leaks, ensuring safety during inspection
10	MS004-A2		Rubber gasket	Used to seal couplings, prevent air or fuel leaks

3. INSTALLATION GUIDE

CONTENT	PARTS	COMPLETION IMAGE
MEASURE FUEL PRESSURE FOR MOTORCYCLES (For motorcycles have small pipe)	 MS004-METER + MS004-T5 (or MS004-T4) + MS004-P1	
	Notes: - Use MS004-T5 for YAMAHA, PIAGGIO - Use MS004-T6 for HONDA, vv...	
MEASURE FUEL PRESSURE FOR MOTORCYCLES (For motorcycles have big pipe Example: SH125/150, exported SH)	 MS004-METER + MS004-T3 + MS004-P2	
MEASURE COMBUSTION CHAMBER PRESSURE FOR MOTORCYCLES	 MS004-METER + MS004-T1	

4. COMPRESSION RATIO OF COMBUSTION CHAMBER

MODEL	COMPRESSION RATIO
HONDA	
AIR BLADE 125	11.0
AIR BLADE	11.0
BLADE 110	9.0
CLICK	11.0
DYLAN	11.0
FUTURE	9.3
LEAD 125cc	11.0
MSX 125	9.3
SH 125i	11.0
SH 150i	10.6
SH MODE 125	11
@ 125	11.0
@ 150	11.0
PCX 125	11.0
SUPPER DREAM	9.0
VISION 110	9.5
WAVE 100 S	9.0
WAVE 110 S	9.0
WAVE 100 RS	9.0
WAVE S DELUXE	9.0
WAVE ALPHA	9.0
WAVE RSX	9.0
WAVE RSX FI	9.3
WAVE RSX FI AT	9.0
WINNER	11.3

MODEL	COMPRESSION RATIO
PIAGGIO	
BEVERLY	11.5/12.5
MEDLEY ABS	12.0
MP3-250	10,5-11,5
LIBERTY	10.6
FLY	10.6
ZIP	11.1
VESPA	
SPRINT	10:1
GT 125	12.0-13.0
LX 125	10.0-11.1
LXV i.e	10.6 ± 0.5
S	10.1-11.1
YAMAHA	
CUXI	10.5
EXCITER RC	10.9
EXCITER GP	10.9
EXCITER R	10.9
FZ150I	10.5
GRANDE	11.0
LUVIAS	10.9
MIO	8.8
NOZZA	9.3
NOUVO FI GP 2015	10.9
NOUVO FI RC 2015	10.9
NOUVO FI SX 2015	10.9
NOUVO SM	8.8
NOUVO LX 135	10.8
JUPITER	9.3

SIRIUS	9.3
MODEL	COMPRESSION RATIO
SUZUKI	
AXELO 125	9.6
EN150-A	8.9
GZ150-A	9.1
HAYATE 125 FI	9.6
HAYATE 125 SS	9.6
HAYATE 125 SS FI	9.6
HAYATE 125	9.6
IMPULSE 125 FI	9.6
REVO 110	9.5
RAIDER R150	10.2
SKYDRIVE 125	9.6
THUNDER 150FI/150SFI	8.9
UA125-T	9.6
VIVA 115FI	9.4
X-BIKE 125	9.6
SYM	
ATTILA ELIZABETH	10.1
ATTILA VENUS	11.0
ANGELA	9.7
JOYRIDE	10.5
SHARK	10.4
VICTORIA	10.1
ENJOY	9.6
EZ 110	9.1
ELEGANT 50	9.7
KYMCO	

CANDY 50	10.0
CANDY 110CC	9.5

Thank for your reading!

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