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OPMID 1904018 P3



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Since the color of the code may differ depending on the model and year, please check with the service manual issued by the manufacturer.



Genuine speed sensor usable type set

M1202 This description is for #M1202.

It is a method of using electric type genuine speedometer.

If OPM meter can not read the signal from genuine speedometer, Please use a commercially available proximity sensor.

- OMRON proximity sensor (NPN)
- # E2S W23 (Upper detection) # E2S Q23 (Side detection)
- DATONA speed sensor # 90666 (top detection)



Reference of color () is the code color of sensor body or around connecting coupler of sensor.

OPM METER	Blue/ White	Red	Black	BK :Black	P :Pink
	Speed signal	Key-ON power DC12V	GND		
YAMAHA	P • W/ Y (W)	$R/W \cdot BR(O/R \cdot R)$	BK ⋅ BK/ W	BL :Blue	R :Red
HONDA	P/G(W/R)	BK ⋅ BK/ BR ⋅ P/ BL (P ⋅ R/ BK)	G	BR :Brown	W :White
SUZUKI	Р	0/ G	BK/ W	G :Green	Y :Yellow
KAWASAKI	P • P/ BL • G/ R (W)	BR/ W (R)	BK/Y(BK)	O :Orange	
OMRON/ DATONA	BK	BR	BL		

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Using 3-wire type speed sensor (Genuine) directly connected

• It is a method to connect directly to speedometer and 3 wire type speed sensor. (Motorcycle whose speed sensor does not operate when genuine meter is removed)

- The speed sensor generally has 12V drive, 5V drive, the connection method is different depending on this voltage. Figure A is 12 V and Figure B is 5 V.
- Because most motorcycle makers' original speed sensors are driven by 12V, connect them referring to figure A (also made by DATONA made by OMRON).



M1202 Continuation of previous page

Case where ECU is driving speed sensor, or Genuine speedometer is left

• This is a method to acquire the speed signal from the body harness with a motorcycle that the ECU controls the speed sensor. (Motorcycle in which the speed sensor operates even if the genuine meter is removed)

Also, if you want to leave a genuine speedometer even in a motorcycle whose meter is controlling the speed sensor, please connect by this method.



¥Using 2-wire type speed sensor directly connected

- It is a method to connect the meter and the 2-wire type speed sensor directly.
- The speed sensor generally has 12V drive, 5V drive, the connection method is different depending on this voltage. E diagram is 12 V, F diagram is 5 V.



M1203 This description is for #M1203. Outer tube of Front fork • It is a sensor that reacts when the magnetic metal approaches. It also reacts to the magnet (N pole). • Bend Sensor stay slightly according to outer tube, And secure it with Cable ties. Magnetic proximity sensor • 2x Cable ties (Width 4.8mm) ····· BL/W Cord length : 1350 mm •..... BL/W Around 3mm Brake disc bolt etc Extension cord 1000mm 0 Sensor bracket When attaching a sensor to the rear wheel side, use an extension cord. Cutting sheet etc. NOTE Because it may react to the hole, Install the sensor so that it Enter the tire circumference and the number of

signal points. (Described on P2)

does not pass through the center of Bolt.

M3x10 socket cap screw

