

Technical BULLETIN

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2002 YZF-R1P(C)

Service Manual Corrections - Throttle Position Sensor Testing

i INTRODUCTION

The tester corrections for the throttle position sensor terminals indicated on page 7-36 in the 2002 YZF-R1P(C) Service Manual (LIT-11616-15-47) are incorrect. Refer to the illustration below for the correct terminal connection.

A correction sticker is included with this bulletin. Place the sticker appropriately in your manual as shown in the following illustration. Contact your Regional Technical Advisor if more stickers are needed.

THROTTLE BODIES FI

f. While slowly opening the throttle, check that the throttle position sensor resistance is within the specified range.
The resistance does not change or it changes abruptly → Replace the throttle position sensor.
The slot is worn or broken → Replace the throttle position sensor.

NOTE:
Check mainly that the resistance changes gradually when turning the throttle, since the readings (from closed to wide-open throttle) may differ slightly from those specified.

Throttle position sensor resistance
0 ~ 5 ± 1.5 kΩ at 20 °C (68 °F)
(yellow - black)

2. Adjust:
• throttle position sensor angle

a. Connect the throttle position sensor coupler to the wire harness.

b. Connect the digital circuit tester to the throttle position sensor.

Tester positive probe → blue terminal ①
Tester negative probe → yellow terminal ②

c. Measure the throttle position sensor voltage.

d. Adjust the throttle position sensor angle so the measured voltage is within the specified range.

Throttle position sensor voltage
0.63 ~ 0.73 V
(yellow - blue)

e. After adjusting the throttle position sensor angle, tighten the throttle position sensor screws.

Throttle position sensor voltage
0.63 ~ 0.73 V
(yellow - black)

2. Adjust:
• throttle position sensor angle

a. Connect the throttle position sensor coupler to the wire harness.

b. Connect the digital circuit tester to the throttle position sensor.

Tester positive probe → yellow terminal ①
Tester negative probe → black terminal ②

c. Measure the throttle position sensor voltage.

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Throttle position sensor voltage
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e. After adjusting the throttle position sensor angle, tighten the throttle position sensor screws.

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