



TECH EXCHANGE

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SUBJECT: 2021 MT09M (MT-09) and MT09SPM (MT-09 SP) MODELS — Service Manual Corrections – FI Troubleshooting Process Changed for DTC P2135



INTRODUCTION

The 2021 MT-09 and MT-09 SP Service Manuals have been revised to correct several errors. The Service Manual in the Knowledge Center on the Yamaha Dealer System (YDS) has been updated to show the correct and complete information. If you previously saved copies of the Service Manual to your local computer, check the applicable pages identified in this Technical Exchange to be sure they have the updated information as shown on the following pages. If not, please download the file again and replace your file copies.

Model	Model Name	Service Manual Number	Location	Applicable Page(s)
MT09M / MT09SPM	MT-09 / MT-09 SP	LIT-11616-34-61	Self-Diagnostic Function and Diagnostic Code Table	9-40
			Self-Diagnostic Function and Diagnostic Code Table	9-43
			Self-Diagnostic Function and Diagnostic Code Table	9-98
			Self-Diagnostic Function and Diagnostic Code Table	9-207

Page 9-40, 9-43

P2135 has been removed from the group table and is now provided in a separate table.

Incorrect				
"P0122, P0123, P0222, P0223, P2135"	[P0122] Throttle position sensor: ground short circuit detected. [P0123] Throttle position sensor: open or power short circuit detected. [P0222] Throttle position sensor: open or ground short circuit detected. [P0223] Throttle position sensor: power short circuit detected. [P2135] Throttle position sensor: output voltage deviation error.	Able/Unable	Able/Unable	01, 13
Correct				
"P0122, P0123, P0222, P0223"	[P0122] Throttle position sensor: ground short circuit detected. [P0123] Throttle position sensor: open or power short circuit detected. [P0222] Throttle position sensor: open or ground short circuit detected. [P0223] Throttle position sensor: power short circuit detected.	Able/Unable	Able/Unable	01, 13
Correct				
"P2135"	Throttle position sensor: output voltage deviation error.	Able/Unable	Able/Unable	01, 13

P2135 has been removed from the group troubleshooting guide and is now provided in a separate troubleshooting guide.

<p>Incorrect</p> <p><small>EAS0070</small> P0122, P0123, P0222, P0223, P2135</p> <p><small>EAS0000</small> TROUBLESHOOTING</p> <p>Item</p> <ul style="list-style-type: none">• [P0122] Throttle position sensor: ground short circuit detected.• [P0123] Throttle position sensor: open or power short circuit detected.• [P0222] Throttle position sensor: open or ground short circuit detected.• [P0223] Throttle position sensor: power short circuit detected.• [P2135] Throttle position sensor: output voltage deviation error. <p>Fail-safe system</p> <ul style="list-style-type: none">• Able/Unable to start engine• Able/Unable to drive vehicle
<p>Correct</p> <p><small>EAS0000</small> P0122, P0123, P0222, P0223</p> <p><small>EAS0000</small> TROUBLESHOOTING</p> <p>Item</p> <ul style="list-style-type: none">• [P0122] Throttle position sensor: ground short circuit detected.• [P0123] Throttle position sensor: open or power short circuit detected.• [P0222] Throttle position sensor: open or ground short circuit detected.• [P0223] Throttle position sensor: power short circuit detected. <p>Fail-safe system</p> <ul style="list-style-type: none">• Able/Unable to start engine• Able/Unable to drive vehicle
<p>Correct</p> <p><small>EAS0012</small> P2135</p> <p><small>EAS0000</small> TROUBLESHOOTING</p> <p>Item</p> <ul style="list-style-type: none">• Throttle position sensor: output voltage deviation error. <p>Fail-safe system</p> <ul style="list-style-type: none">• Able to start engine (depending on the situation)• Able to drive vehicle (depending on the situation)