

<b>Error Codes for MV Agusta F3</b>				
<b>DTC Code</b>	<b>Component/Function</b>	<b>Cause</b>	<b>Relates to</b>	<b>Control</b>
<b>P0027</b>	Exhaust valve sensor diagnosis	STVCC, OC, STGND	TO, EC, ER, BR	Defective exhaust valve plug in connection
				Defective exhaust valve
				Broken or damaged Bowden cables
				Engine control unit broken or damaged
				Defective engine control unit plug in connection
				Broken or damaged wire harness
<b>P0078</b>	Exhaust valve functional diagnosis	SIGNAL ERROR	TO, EC, ER, BR	Wrong Bowden cables assembly/adjustment
				Defective exhaust valve
<b>P0101</b>	Hole in manifold diagnosis	SIGNAL ERROR	ER, BR	Verify that the rubber tube between throttle body and pressure sensor isn't damaged
				Check the correct assembly of the manifold connections
<b>P0102</b>	Engine Phase diagnosis	SIGNAL ERROR	EC, ER, BR	Verify that the rubber tube between throttle body and pressure sensor isn't damaged
				Check the correct assembly of the manifold connections
				Check and verify if any leakage is present in the air intake manifold
				Check and verify if the inlet valve leakage is within the specified tolerance range
<b>P0105</b>	Intake manifold air pressure sensor diagnosis (Electrical test)	STVCC	TO, EC, ER, BR	Defective air pressure plug in
				Defective air pressure sensor
				Engine control unit broken or damaged
				Defective engine control unit plug in connection
				Broken or damaged wire harness
<b>P0106</b>	Intake manifold air pressure sensor diagnosis (Functional test)	SIGNAL ERROR	ER, BR	Verify that the rubber tube between throttle body and pressure sensor isn't damaged
				Check the correct assembly of the manifold connections
				Check and verify if any leakage is present in the air intake manifold
				Check and verify if the inlet valve leakage is within the specified tolerance range
<b>P0110</b>	Intake manifold air temperature sensor diagnosis	OC, STVCC STGND	TO, EC, ER, BR	Defective air temperature plug in
				Defective air temperature sensor
				Engine control unit broken or damaged
				Defective engine control unit plug in connection
				Broken or damaged wire harness

<b>P0115</b>	Engine water temperature sensor diagnosis	OC, STVCC STGND SIGNAL ERROR	TO, EC, ER, BR	Defective water temperature plug in
				Defective water temperature sensor
				Engine control unit broken or damaged
				Defective engine control unit plug in connection
				Broken or damaged wire harness
<b>P0120</b>	Throttle 1 sensor diagnosis	OC, STVCC STGND	TO, EC, ER, BR	Defective throttle body sensor plug in
				Defective throttle body sensor
				Engine control unit broken or damaged
				Defective engine control unit plug in connection
				Broken or damaged wire harness
<b>P0121</b>	Throttle 2 sensor diagnosis	STVCC OC, STGND	TO, EC, ER, BR	Defective throttle body sensor plug in
				Defective throttle body sensor
				Engine control unit broken or damaged
				Defective engine control unit plug in connection
				Broken or damaged wire harness
<b>P0130</b>	Lambda Sensor 1 functional diagnosis	STUCK RICH STUCK LEAN	ER, BR	Lambda sensor broken or damaged
<b>P0132</b>	Lambda Sensor 1 electrical diagnosis	STVCC OC	ER, BR	Defective lambda sensor plug in
				Engine control unit broken or damaged
				Defective engine control unit plug in connection
				Broken or damaged wire harness
<b>P0135</b>	Lambda Sensor 1 heater diagnosis	STVCC, OC, STGND	TO, EC, ER, BR	Defective lambda sensor plug in
				Engine control unit broken or damaged
				Broken or damaged lambda sensor
				Defective engine control unit plug in connection
<b>P0201</b>	Injector 1 diagnosis (lower)	STVCC OC STGND	EC, ER, BR	Defective injector plug in
<b>P0202</b>	Injector 2 diagnosis (lower)	STVCC OC STGND		Defective injector
<b>P0203</b>	Injector 3 diagnosis (lower)	STVCC OC STGND		Engine control unit broken or damaged
				Defective engine control unit plug in connection
				Broken or damaged wire harness

<b>P0205</b>	Injector 1 diagnosis (upper)	STVCC OC STGND	EC, ER, BR	Defective injector plug in
				Defective injector
<b>P0206</b>	Injector 2 diagnosis (upper)	STVCC OC STGND		Engine control unit broken or damaged
				Defective engine control unit plug in connection
<b>P0207</b>	Injector 3 diagnosis (upper)	STVCC OC STGND		Broken or damaged wire harness
<b>P0220</b>	Gas 1 potentiometer sensor diagnosis	STVCC OC STGND	TO, EC, ER, BR	Defective throttle grip plug in
				Defective throttle grip
<b>P0221</b>	Gas 2 potentiometer sensor diagnosis	STVCC OC STGND		Engine control unit broken or damaged
				Defective engine control unit plug in connection
<b>P0222</b>	Gas Idle Switch sensor diagnosis	STVCC, OC, STGND SIGNAL ERROR		Broken or damaged wire harness
<b>P0230</b>	Fuel pump relay command diagnosis	STVCC OC STGND	EC, ER, BR	Defective relay plug in
				Defective relay
				Engine control unit broken or damaged
				Defective engine control unit plug in connection
				Broken or damaged wire harness
<b>P0325</b>	Knocking coherence diagnosis cylinder 1	SIGNAL ERROR	ER, BR	Defective coil plug in
				Defective coil
<b>P0326</b>	Knocking coherence diagnosis cylinder 2	SIGNAL ERROR		Overheating or carbon fouled spark plug
				Engine control unit broken or damaged
<b>P0327</b>	Knocking coherence diagnosis cylinder 3	SIGNAL ERROR		Defective engine control unit plug in connection
				Broken or damaged wire harness
<b>P0335</b>	Engine speed sensor diagnosis	SIGNAL ERROR	EC, ER, BR	Defective RPM sensor plug in
				Defective RPM sensor
				Sensor/tooth wheel gap not coherent with specs
				Engine control unit broken or damaged
				Defective engine control unit plug in connection
				Broken or damaged wire harness

<b>P0351</b>	Coil 1 command diagnosis	STVCC OC STGND	EC, ER, BR	Defective coil plug in
				Defective coil
<b>P0352</b>	Coil 2 command diagnosis	STVCC OC STGND		Engine control unit broken or damaged
				Defective engine control unit plug in connection
<b>P0353</b>	Coil 3 command diagnosis	STVCC OC STGND		Broken or damaged wire harness
<b>P0480</b>	Fan 1 relay command diagnosis	STVCC OC STGND	EC, ER, BR	Defective relay plug in
				Defective relay
				Engine control unit broken or damaged
				Defective engine control unit plug in connection
				Broken or damaged wire harness
<b>P0500</b>	Rear vehicle speed sensor diagnosis	SIGNAL ERROR	TO, EC, ER, BR	Defective speed sensor plug in
				Defective speed sensor
				Sensor/tooth wheel gap not coherent with specs
				Tooth wheel broken or uneven
<b>P0501</b>	Front vehicle speed sensor diagnosis (Only for ABS versions)	SIGNAL ERROR		Engine control unit broken or damaged
				Defective engine control unit plug in connection
			Broken or damaged wire harness	
<b>P0560</b>	Battery voltage diagnosis	SIGNAL ERROR	TO, EC, ER, BR	Defective battery plug in
				Defective starter relay plug in
				Defective main fuse connection
				Engine control unit broken or damaged
				Defective engine control unit plug in connection
				Broken or damaged wire harness
<b>P0561</b>	Voltage regulator diagnosis	UNDER-VOLTAGE, SIGNAL ERROR	EC, ER, BR	Defective voltage regulator plug in
				Defective voltage regulator
				Broken or damaged wire harness
				Defective battery plug in
				Defective starter relay plug in
				Defective main fuse connection
<b>P0601</b>	Checksum EPROM diagnosis	SIGNAL ERROR	TO, EC, ER, BR	Engine control unit broken or damaged
<b>P0604</b>	RAM diagnosis	SIGNAL ERROR	TO, EC, ER, BR	Engine control unit broken or damaged
<b>P0605</b>	ROM diagnosis	SIGNAL ERROR	TO, EC, ER, BR	Engine control unit broken or damaged
<b>P0606</b>	CPU diagnosis	SIGNAL ERROR	TO, EC, ER, BR	Engine control unit broken or damaged

<b>P060F</b>	Hardware Thermal Shut Down diagnosis	TSD	TO, EC, ER, BR	Engine control unit broken or damaged
<b>P0612</b>	Load disable for safety diagnosis	SIGNAL ERROR	TO, EC, ER, BR	Engine control unit broken or damaged
<b>P0615</b>	Starter Relay command diagnosis	STVCC OC STGND	TO, EC, ER, BR	Defective relay plug in
				Defective relay
				Engine control unit broken or damaged
				Defective engine control unit plug in connection
				Broken or damaged wire harness
<b>P0638</b>	HBridge1 (DBW) command diagnosis	STVCC, OC (in OFF) STGND TSD	TO, EC, ER, BR	Defective throttle body plug in
				Defective throttle body
				Engine control unit broken or damaged
				Defective engine control unit plug in connection
				Broken or damaged wire harness
<b>P0639</b>	HBridge2 (Exhaust valve) command diagnosis	STVCC, OC (in OFF) STGND TSD	TO, EC, ER, BR	Defective exhaust valve actuator plug in
				Defective exhaust valve actuator
				Engine control unit broken or damaged
				Defective engine control unit plug in connection
				Broken or damaged wire harness
<b>P0641</b>	Sensor supply 1	STVCC, OC, STGND	TO, EC, ER, BR	Engine control unit broken or damaged
<b>P0651</b>	Sensor supply 2	STVCC, OC, STGND		Defective engine control unit plug in connection
<b>P0704</b>	Clutch switch sensor diagnosis	OC, STVCC STGND	TO, EC, ER, BR	Broken or damaged wire harness
				Defective clutch switch plug in
				Defective clutch switch
				Extreme clutch lever backlash
				Engine control unit broken or damaged
<b>P0915</b>	Gear sensor diagnosis	STVCC OC STGND	TO, EC, ER, BR	Defective engine control unit plug in connection
				Broken or damaged wire harness
				Defective gear sensor plug in
				Defective gear sensor
				Engine control unit broken or damaged

<b>P1120</b>	Throttle sensor consistency test	SIGNAL ERROR	TO, EC, ER, BR	Defective throttle body plug in
				Defective throttle body
<b>P1220</b>	Throttle control diagnosis	SIGNAL ERROR	TO, EC, ER, BR	Engine control unit broken or damaged
				Defective engine control unit plug in connection
<b>P1122</b>	Gas sensor consistency test	SIGNAL ERROR	TO, EC, ER, BR	Defective throttle grip plug in
				Defective throttle grip
<b>P1223</b>	Gas Idle Switch Consistency Test	SIGNAL ERROR	TO, EC, ER, BR	Engine control unit broken or damaged
				Defective engine control unit plug in connection
<b>P1300</b>	ION acquisition diagnosis (IonBufferV)	STVCC STGND	ER, BR	Broken or damaged wire harness
				Defective coil plug in
<b>P1301</b>	ION 1 signal diagnosis (StPhase)	SIGNAL ERROR	ER, BR	Defective coil
				Overheating or carbon fouled spark plug
<b>P1302</b>	ION 2 signal diagnosis (StPhase)	SIGNAL ERROR	ER, BR	Engine control unit broken or damaged
				Defective engine control unit plug in connection
<b>P1303</b>	ION 3 signal diagnosis (StPhase)	SIGNAL ERROR	ER, BR	Broken or damaged wire harness
				Defective engine control unit plug in connection
<b>P1305</b>	ION 1 peak diagnosis (VSparkPeak)	STVCC OC STGND	ER, BR	Defective coil plug in
				Defective coil
<b>P1306</b>	ION 2 peak diagnosis (VSparkPeak)	STVCC OC STGND	ER, BR	Overheating or carbon fouled spark plug
				Engine control unit broken or damaged
<b>P1307</b>	ION 3 peak diagnosis (VSparkPeak)	STVCC OC STGND	ER, BR	Defective engine control unit plug in connection
				Broken or damaged wire harness
<b>P1602</b>	A/D Converter Diagnosis	SIGNAL ERROR	TO, EC, ER, BR	Engine control unit broken or damaged
<b>P1610</b>	Safety 3 diagnosis	SIGNAL ERROR	TO, EC, ER, BR	Engine control unit broken or damaged
<b>P1612</b>	Safety 2 diagnosis	SIGNAL ERROR	TO, EC, ER, BR	Engine control unit broken or damaged
<b>P1655</b>	Low Beam relay command	STVCC OC STGND	TO, EC, ER, BR	Defective relay plug in
				Defective relay
				Engine control unit broken or damaged
				Defective engine control unit plug in connection
				Broken or damaged wire harness

<b>P1773</b>	Tip over sensor diagnosis	STVCC	TO, EC, ER, BR	Defective sensor plug in
				Defective sensor
				Engine control unit broken or damaged
				Defective engine control unit plug in connection
				Broken or damaged wire harness
<b>P2182</b>	Engine water temperature sensor 2 diagnosis	OC STVCC	TO, EC, ER, BR	Defective sensor plug in
				Defective sensor
				Engine control unit broken or damaged
				Defective engine control unit plug in connection
				Broken or damaged wire harness
<b>U1602</b>	CAN bus diagnosis	BUSOFF	TO, EC, ER, BR	Defective CAN plug in device
<b>U1701</b>	CAN Communication NCM - DASHBOARD	NO SIGNAL		
<b>U1706</b>	CAN Communication NCM - Y&R Sensor (F3 800)	NO SIGNAL		Defective engine control unit plug in connection
<b>U1707</b>	CAN Communication NCM - ABS (F3 800)	NO SIGNAL		

Cause	Description
OC	Open Circuit
BUSOFF	CAN busoff
NO SIGNAL	CAN lack of messages
STGND	Short circuit to ground
UNDERVOLTAGE	Signal lower than a voltage threshold
STVCC	Short circuit to Supply voltage or Vehicle supply
SIGNAL ERROR	Signal is not plausible, out of specification or not coherent
TSD	Thermal Shut Down

Takeover	Description
TO	Power On
EC	Cranking
ER	Engine running
BR	Vehicle running

