

Manifold Absolute Pressure (MAP) Sensor

Fault Code	Possible cause	Action
P0107	Manifold absolute pressure sensor 1 short circuit to ground	View and note 'freeze-frame' data if available. View and note 'sensor' data.
P0105	Manifold absolute pressure sensor 1 open circuit or short circuit to 5 Volt sensor supply	Ensure sensor connector is secure. Disconnect the engine ECM and proceed to pinpoint test 1:
P1105	Manifold absolute pressure sensor 1 pipe malfunction	Check connection/condition of pipes from MAP sensors to throttle body.

Pinpoint Tests

Test	Result	Action
1	Check cable and terminal integrity: - ECM pin B18 - ECM pin B34 - ECM pin B36 - Sensor pin 1, 2, 3	OK Disconnect MAP sensors and proceed to test 2
	Faulty	Rectify fault, proceed to test 4
2	Check cable for short circuit: - ECM pin B36 to ECM pin B18 - ECM pin B36 to ECM pin B34	OK Proceed to test 3
	Short circuit	Locate and rectify wiring fault, proceed to test 4
3	Check cable for continuity: - ECM pin B34 to MAP sensor pin 3 - ECM pin B18 to MAP sensor pin 1 - ECM pin B36 to MAP sensor pin 2	OK Renew relevant MAP pressure sensor, proceed to test 4
	Open circuit	Locate and rectify wiring fault, proceed to test 4
4	Reconnect harness, clear fault code and run engine.	OK Action complete - quit test
	Fault still present	Contact Triumph service

Circuit Diagram

