

334 - 500X 1.4 Turbo MultiAir Misfire cylinder 1 (performance or incorrect operation component or system over temperature, misfire 1000) P0301-00

			Test results		
1	COMPONENT CONCERNED	CHECK CONNECTIONS ON COILS AND INJECTOR	OK (NO FAULTS DETECTED)	FAULT DETECTED	OPERATION
	Connections on coils and injector	Check for the presence of loose connections of the coils on injector and on the Powertrain Control Module	Go to Step 2	Presence of loose connections	Restore the correct connections
2	COMPONENT CONCERNED	COIL WIRING CHECK	OK (NO FAULTS DETECTED)	FAULT DETECTED	OPERATION
	Wiring between coil and Powertrain Control Module	Check for continuity breaks on the wiring between coil and pin 17 of the Powertrain Control Module caused by oxidised or corroded terminals	Go to Step 3	Breaks in the continuity of the wiring	Restore the correct continuity of the wiring between coil and Powertrain Control Module
3	COMPONENT CONCERNED	INJECTOR WIRING CHECK	OK (NO FAULTS DETECTED)	FAULT DETECTED	OPERATION
	Wiring between injector and engine control module	Check for continuity breaks on the wiring between injector and pin 3 of the Powertrain Control Module caused by oxidised or corroded terminals	Go to Step 4	Breaks in the continuity of the wiring	Restore the correct continuity of the wiring between injector and Powertrain Control Module
4	COMPONENT CONCERNED	COIL WIRING CHECK	OK (NO FAULTS DETECTED)	FAULT DETECTED	OPERATION
	Wiring between coil and Powertrain Control Module	Check the condition of the wiring insulation between coil and pin 17 of the Powertrain Control Module (possible short circuit to battery of coil control)	Go to Step 5	Wiring insulation not correct	Restore the correct insulation of the wiring between coil and Powertrain Control Module

5	COMPONENT CONCERNED	INJECTOR WIRING CHECK	OK (NO FAULTS DETECTED)	FAULT DETECTED	OPERATION
	Wiring between injector and engine control module	Check the condition of the wiring insulation between injector and pin 3 of the Powertrain Control Module (possible short circuit to battery of injector control)	Go to Step 6	Wiring insulation not correct	Restore the correct insulation of the wiring between injector and Powertrain Control Module
6	COMPONENT CONCERNED	SPARK PLUG CONDITION CHECK	OK (NO FAULTS DETECTED)	FAULT DETECTED	OPERATION
	Spark plug	Check the condition of the spark plug (fouling by engine oil or unburnt fuel) and that it is working properly.	Go to Step 7	Spark plug fouled	Replace the spark plug Op. 5510D10 SPARK PLUGS - R+R
7	COMPONENT CONCERNED	INJECTOR OPERATION CHECK	OK (NO FAULTS DETECTED)	FAULT DETECTED	OPERATION
	Injector	Check that the injector is working properly by carrying out the test See Test 1056BA INJECTOR OPERATION CHECK	Go to Step 8	Injector not working properly	Replace the injector Op. 1056B70 INJECTOR (ONE) - R + R WITH FUEL MANIFOLD PIPE REMOVED - INCLUDES SEAL REPLACEMENT
8	COMPONENT CONCERNED	IGNITION COIL OPERATION CHECK	OK (NO FAULTS DETECTED)	FAULT DETECTED	OPERATION
	Ignition coils	Check that the ignition coils are working properly by carrying out the test See Test 5510CI IGNITION COIL OPERATION CHECK	End of diagnosis	Ignition coils not working properly	Replace the ignition coils Op. 5510C14 IGNITION COIL/S - R.R.