

P0300-92 Misfire random - Performance or incorrect operation (misfire 1000)

			Test results		
1	COMPONENT CONCERNED	ELECTRICAL CONNECTION CHECK	OK (NO FAULTS DETECTED)	FAULT DETECTED	OPERATION
	Connections on coils	Check the presence of looseness on the electrical connections for the coil connector.	Go to Step 2	Presence of loose connections for the coils	Restore the correct connections.
2	COMPONENT CONCERNED	ELECTRICAL CONNECTION CHECK	OK (NO FAULTS DETECTED)	FAULT DETECTED	OPERATION
	Injector connections	Check for the presence of loose electrical connections on the injector connectors	Go to Step 3	Presence of loose connections for the injectors	Restore the correct connections.
3	COMPONENT CONCERNED	ELECTRICAL CONNECTION CHECK	OK (NO FAULTS DETECTED)	FAULT DETECTED	OPERATION
	Powertrain Control Module connections	Check for possible loose connections to the Powertrain Control Module	Go to Step 4	Presence of loose connections to the Powertrain Control Module	Restore the correct connections.
4	COMPONENT CONCERNED	COIL WIRING CONTINUITY CHECK	OK (NO FAULTS DETECTED)	FAULT DETECTED	OPERATION
	Coil wiring	Check for breaks in the coil wiring continuity caused by oxidised or corroded terminals	Go to Step 5	Breaks in the continuity of the wiring	Restore the correct continuity for the wiring.
5	COMPONENT CONCERNED	INJECTOR WIRING CONTINUITY CHECK	OK (NO FAULTS DETECTED)	FAULT DETECTED	OPERATION
	Injector wiring	Check for breaks in the injector wiring continuity caused by oxidised or corroded terminals	Go to Step 6	Breaks in the continuity of the wiring	Restore the correct continuity for the wiring.
6	COMPONENT CONCERNED	COIL WIRING INSULATION CHECK	OK (NO FAULTS DETECTED)	FAULT DETECTED	OPERATION
	Coil wiring	Check that the coil wiring insulation is intact	Go to Step 7	Wiring insulation faulty	Restore correct wiring insulation.
7	COMPONENT CONCERNED	INJECTOR WIRING INSULATION CHECK	OK (NO FAULTS DETECTED)	FAULT DETECTED	OPERATION
	Injector wiring	Check that the injector wiring insulation is intact	Go to Step 8	Wiring insulation faulty	Restore correct wiring insulation.
8	COMPONENT CONCERNED	FUEL PRESSURE CHECK	OK (NO FAULTS DETECTED)	FAULT DETECTED	OPERATION
	Low pressure fuel pump	Check that the low pressure fuel pump is working properly	Go to Step 9	Fuel pump faulty	Replace the fuel pump Op. 1040A70 SUBMERGED PUMP ASSEMBLY COMPLETE WITH LEVEL GAUGE CONTROL - R + R
9	COMPONENT CONCERNED	FUEL QUALITY CHECK	OK (NO FAULTS DETECTED)	FAULT DETECTED	OPERATION
	Fuel	Check the quality of the fuel and check for the presence of water.	Go to Step 10	Fuel not compliant	Replace the fuel with fuel that is compliant
10	COMPONENT CONCERNED	CHECK FOR SEEPAGE IN INTAKE MANIFOLD	OK (NO FAULTS DETECTED)	FAULT DETECTED	OPERATION
	Intake manifold	Check for any seepage in the intake/exhaust manifold	Go to Step 11	Seepage inside the intake/exhaust manifold	Restore correct operation
11	COMPONENT CONCERNED	CYLINDER COMPRESSION CHECK	OK (NO FAULTS DETECTED)	FAULT DETECTED	OPERATION
	Engine compression	Carry out cylinder compression test	Go to Step 12	Cylinder compression insufficient	Go to Step 15
12	COMPONENT CONCERNED	CYLINDER HEAD TIGHTENING CHECK	OK (NO FAULTS DETECTED)	FAULT DETECTED	OPERATION
	Cylinder head	Check the cylinder head correct tightening	Go to Step 13	Cylinder head tightening not correct	Restore the correct cylinder head tightening.
13	COMPONENT CONCERNED	CYLINDER HEAD GASKET SEALING CHECK	OK (NO FAULTS DETECTED)	FAULT DETECTED	OPERATION

	Cylinder head gasket	Check the correct sealing of the gasket	Go to Step 14	Gasket damaged	Replace the cylinder head gasket Op. 1016C10 SINGLE CYLINDER HEAD - R.R. AND REPLACE GASKET
14	COMPONENT CONCERNED	CAUSE OF INSUFFICIENT COMPRESSION CHECK	OK (NO FAULTS DETECTED)	FAULT DETECTED	OPERATION
	Engine valves	After having removed the cylinder head Op. 1016C10 SINGLE CYLINDER HEAD - R.R. AND REPLACE GASKET check: - the valve seal;	Go to Step 15	Valve sealing insufficient	Overhaul the cylinder head.
15	COMPONENT CONCERNED	CAUSE OF INSUFFICIENT COMPRESSION CHECK	OK (NO FAULTS DETECTED)	FAULT DETECTED	OPERATION
	Engine cylinders	After having removed the cylinder head Op. 1016C10 SINGLE CYLINDER HEAD - R.R. AND REPLACE GASKET check: - cylinder/piston ring wear;	End of diagnosis	Cylinder/ring wear outside tolerances	Restore correct operating clearances.