

Misfiring

Engines: N40, N42, N45, N46, N52, N62, N62TU, N73

Situation: In the course of quality observations, it has been determined that ignition coils have frequently been replaced when the fault memory entry "**misfiring**" is present.

The fault memory entry "**misfiring**" and the associated cylinder allocation is not an unambiguous identification of a defective ignition coil.

Effect: The ignition coils submitted to the supplier for damaged part analysis are nearly all free of faults and diagnosed NFF.
(NFF = No fault found).

Through process optimisation at the ignition coil suppliers it has been ensured that in most cases, no exchange of ignition coils will be needed due to the fault memory entry "**misfiring**".

Affected engines:

Engine	Ignition coil manufacturer	Manufacturing period (vehicle)
N40 / N42	ERA	from 20.03.2003
N40 / N42	Bosch	from 01.03.2003
N45 / N46	ERA	from 20.03.2006
N52	Bosch	from 06.10.2005
N62	Bosch	from 03.06.2002
N62TU	Bosch	from 01.03.2005
N73	Bosch	from 03.04.2003

Action: To optimise future repairs in this field, a new test module for fault memory entry "**misfiring**" will be stored in the BMW Group Tester **from September 2006** (DIS-DVD 47).

Procedure: Use the test module with the new testing schedule for the fault memory entry "**misfiring**" described above.

Using this test module a condition for warranty reimbursement.

Material and labour costs incurred can be claimed through the usual warranty channels subject to current warranty terms.

Work performed in this context that does not require the replacement of parts but rather merely the clearing of the fault memory or testing as per the test module should be reimbursed under a corresponding symptom diagnosis.