



## *Mazda MX-5 (Typ: NA+NB)*

### Ignition wire

The ignition wires directly fixed to the engine block, are often the cause of the following faults:

- misfire
- poor low end pull
- unsatisfactory power
- irregular idle
- higher fuel consumption
- radio interference

Over time the insulation of the ignition wires becomes porous due to the high thermal radiation. The consequences are current leakage and spark arcing between ignition wires and the engine block. Because the MX 5 has a distributor less ignition system and one coil provides two spark plugs with the necessary energy, the condition of the ignition wires is very important. Worth mentioning is also, that every ignition pulse must flow through to both wires simultaneously. One of them is redundant because it sparks when the cylinder is not approaching the power stroke of its cycle.

Use only high quality silicon ignition wires. It is also recommended to check the spark plugs and the contacts of the ignition coil. Should the contacts appear black or grey, they must be cleaned. The ignition coil should then be checked as well.



Bulletin