



Fiat Seicento with automatic clutch (Citymatic)

Gears difficult to change or cannot be changed at all

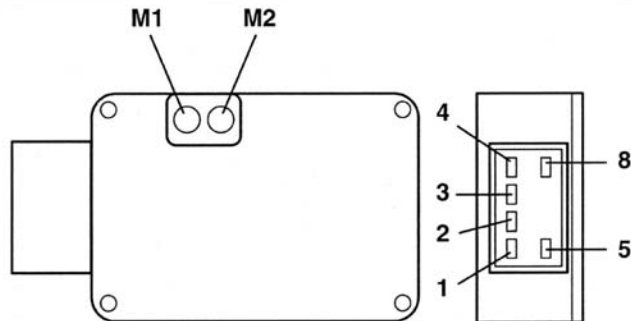
If there are complaints about the above-mentioned problem, the potentiometer or the servomotor power module for the automatic clutch could be the cause.

Checking the potentiometer:

- Switch on the ignition for approx. 1 minute
- Switch off the ignition again
- Measure the sensor resistance between pins 1 and 3 immediately. The value must be between 3200 and 4800 ohms.
- Repeat this measurement **one minute later**.
The difference between the two measured values must not be greater than 100 ohms.
- Measure the sensor resistance between pins 1 and 2.
The value must be between 900 and 7500 ohms
- If the values are not reached, the potentiometer must be replaced

Checking the power module:

- Ignition must be switched off
- Separate the power module from the servomotor
- Use a suitable multimeter to carry out a diode test between the pole terminals (see illustration). The measured values for all diodes (T1 –T4, DZ1) must be between 0.4 and 0.7 V
- If these values are not reached, the power module must be replaced



Diode	Polklemme	Polarität Multimeter
T1	M1	Rot (+)
	5	Schwarz (-)
T2	M2	Rot (+)
	5	Schwarz (-)
T3	8	Rot (+)
	M1	Schwarz (-)
T4	8	Rot (+)
	M2	Schwarz (-)
DZ1	8	Rot (+)
	5	Schwarz (-)

Translation of table:

Diode = Diode

Polklemme = Pole terminal

Polarität Multimeter = Multimeter polarity

Rot = Red

Schwarz = Black

Bulletin