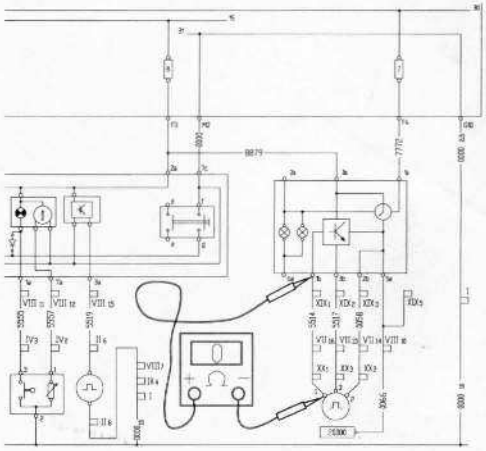
Electronic tachograph/tachometer sender unit

SIMPLIFIED DIAGNOSIS

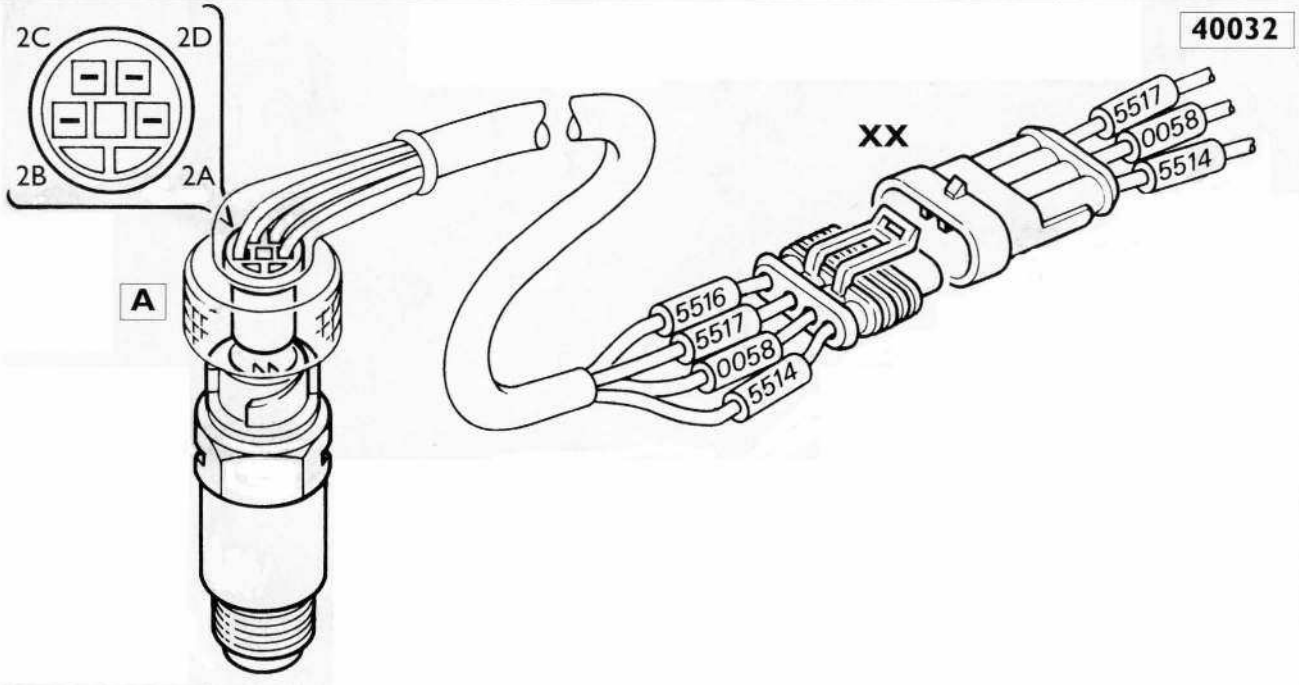
Disconnect connector [A] from component under examination.
Set multimeter to OHM.

- Check for 0 Ω by setting one multimeter prod to terminal 1 of connector [A] and the otherone to terminal 1 of tachometer connector B (page IV.10).
- Check for 0 Ω by setting one multimeter prod to terminal 3 of connector [A] and otherone to terminal 3 of tachometer connector B.
- Check for 0 Ω by setting one multimeter prod to terminal 2 of connector [A] and the otherone to terminal 2 of tachometerconnector B.

If readings are other than specified, remedy as required by either repairing the circuit or replacing the component. Then repeat the test.



Print no. 603.42.961 Diagram no. 3



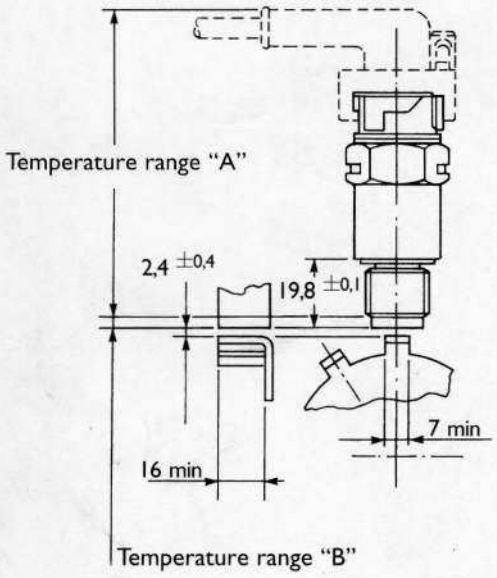
LAYOUT WITH CONNECTIONS

Connector		Function	Cable colour
A	2A	Positive for sender unit	5514
	2B	Negative for sender unit	0058
	2C	Speed signal	5517
	2D	Inverse speed signal	5516
XX	1	To tachometer/tachograph	5514
	2	To tachometer/tachograph	0058
	3	To tachometer/tachograph	5517
	4	Tachometer/tachograph sender unit	–

Tachograph/tachometer sender unit

Terminal	Function	Symbol
2A	8V supply	+
2B	Earth	–
2C	Speed signal	A1
2D	Inverse speed signal	A2

40032



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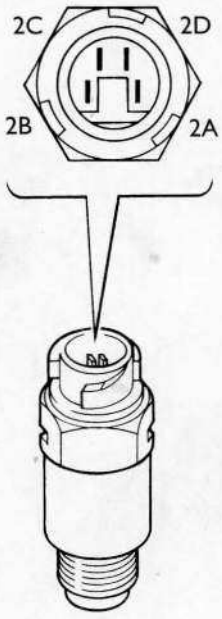

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ELECTRICAL CONNECTIONS

Technical data

Overvoltage protection device	± 150V (0,5 ms – 0,2 Hz)
"VE" operating voltage	6 ÷ 15V
Current absorption	MAX 12 mA
Connection type	no earth
Internal resistance	1,5 KΩ
Wave form	· square
Initial signal A1	L ≦ 50mV:H=VE–2V (13V max)

Hermetic	0.5 bar in oil, 120°C, 100h
Signal	A2 inversion of A1
Operating temperature "A"	–30 ÷ +135
Operating temperature "B"	–30 ÷ +145
Storage temperature "C"	–40 ÷ +140
Storage temperature "D"	–40 ÷ +150
Type of protection	DIN 40050 – IP 66
Tightening torque	50 Nm max