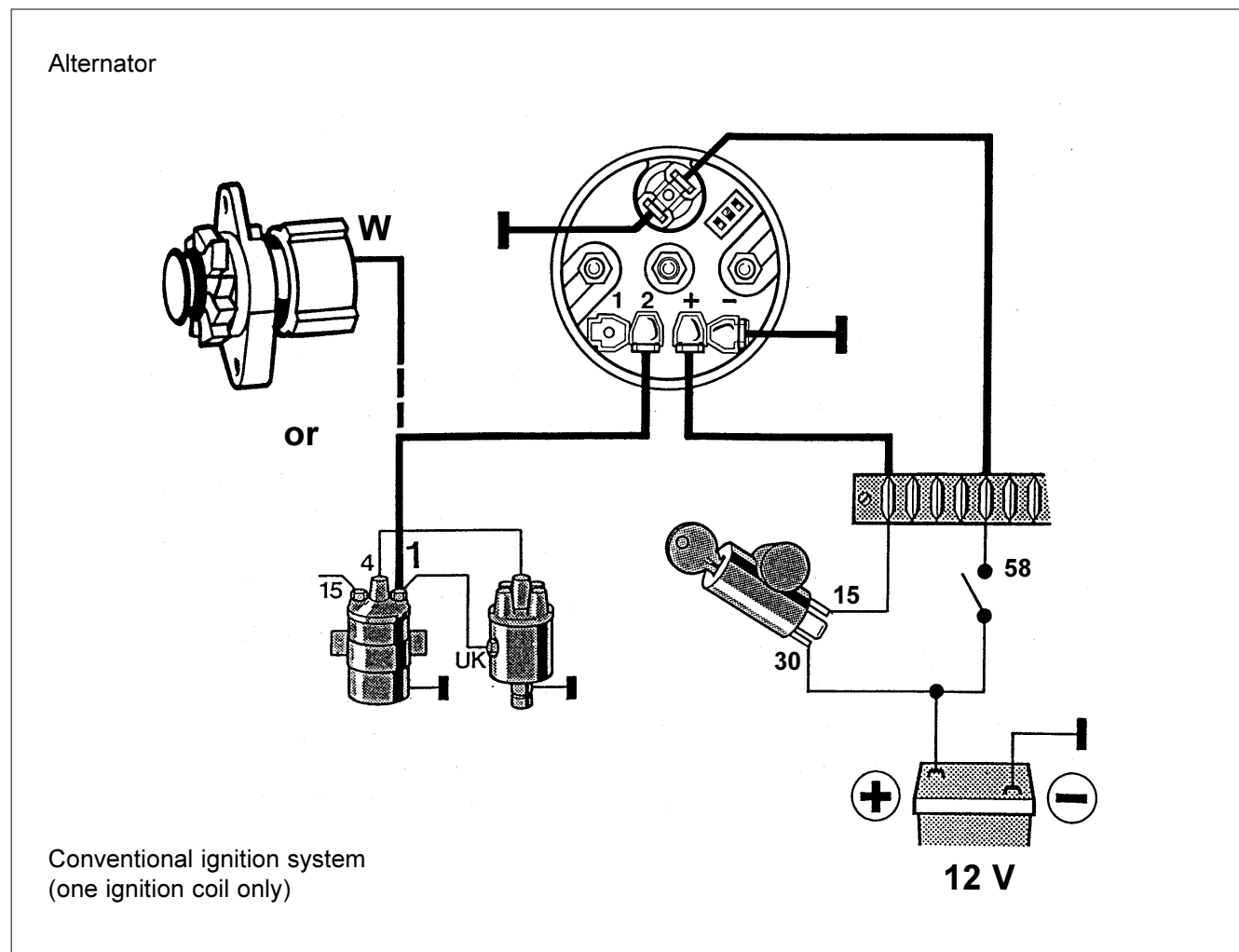


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5. Electronic Tachometer (dia 52 mm)

5.4 Wiring Diagram



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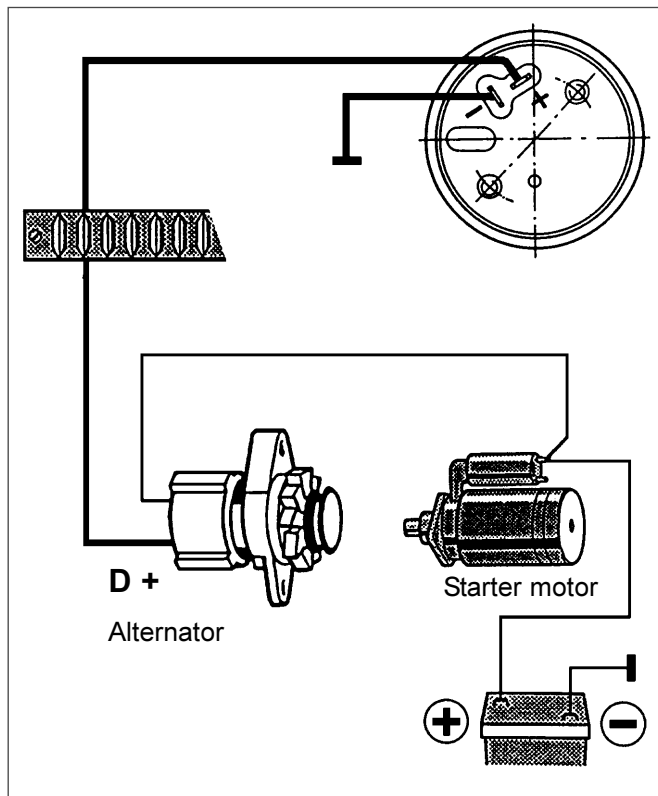
13. Electronic Operating Hours Counter (dia. 52 mm)

(only for VDO cockpit international)

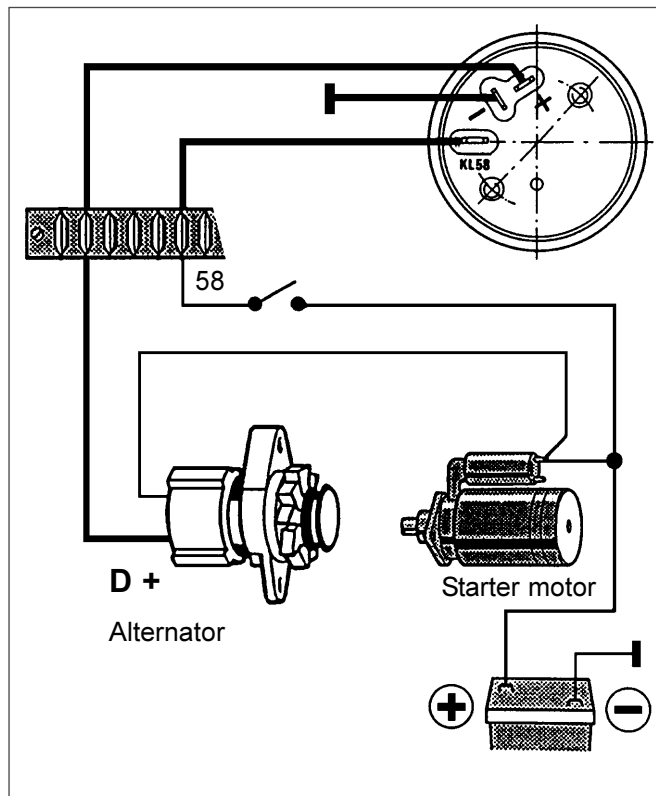
13.3 Wiring Diagram

New generation:

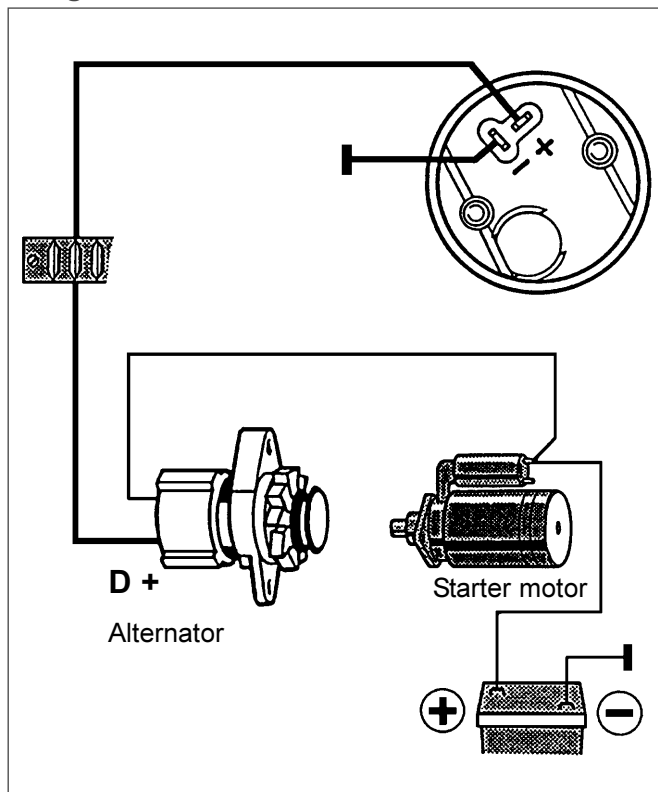
No illumination



With illumination



Old generation



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13. Electronic Operating Hours Counter (dia. 52 mm)

(only for VDO cockpit international)

13.4 Instruments Survey

— New generation :

VDO cockpit international

Dial		Version	Part No.
Measuring range	Imprint		
99999.9 h.	 HOURS VDO	9V - 28V no illumination	331-810-012-001B 331-810-012-001G
99999.9 h.	 HOURS VDO (minutes scale)	9V - 28V, minutes hand (wt) no illumination	331-810-012-002B 331-810-012-002G
99999.9 h.	 HOURS VDO	9V - 28V, no illumination bezel chrome plated	331-810-012-003B
99999.9 h.	 HOURS VDO	9V - 16V, with illumination (wt) USA (specific version)	331-810-012-004B
99999.9 h.	 HOURS VDO	18V - 28V, with ill. (wt), bezel chrome pl., USA (specific version)	331-810-012-005
99999.9 h.	individual Customer-version	9V - 28V, no ill., water-p. (IP 65), USA (specific version)	331-810-012-006B
99999.9 h.	 HOURS VDO	18V - 28V, with illumination (wt), USA (specific version)	331-810-012-007B
99999.9 h.	individual Customer-version	9V - 28V, no ill., water-p. (IP 65), bezel chrome pl., USA (specific version)	331-810-012-008
99999.9 h.	 HOURS VDO	9V - 16V, with illumination (wt), bezel chrome pl., USA (specific version)	331-810-012-009
99999.9 h.	individual Customer-version	9V - 28V, no illumination, bezel chrome plated	331-810-012-010B

— Old generation (phaseout):

VDO cockpit international

Part No. 331-032-...

Dial		Version	Part No.
Measuring range	Imprint		
99999.9 h	 ENGINE HOURS VDO	12 - 24V no illumination	001C 001G
99999.9 h	 ENGINE HOURS VDO	12 - 24V, bezel chrome plated no illumination	003C
99999.9 h	 ENGINE HOURS VDO (minutes scale)	12 - 24V, minute hand no illumination	004C 004G
99999.9 h	 ENGINE HOURS VDO	8 - 24V, < 4 mA at 12V no illumination	007C
99999.9 h	 ENGINE HOURS VDO	8 - 24V, < 4 mA at 12V helical gear ring, no illumination	008C