

**15 Electrical system engine (starter, generator)**

Engine	Designation	Nature and reason for modification	Production breakpoint
601 603	Starter	Collar bush installed at commutator end shield	02/85
102 103	Generator	Drive bearing strengthened	03/85
103.980	Generator	Air intake cover installed to improve cooling	03/85
102 601 603	Generator	Single-belt drive eliminates need for Woodruff key on generator shaft. Groove in shaft retained.	04/85
103.980	Generator	Air intake cover eliminated	02/86
601.912 602.912 603.912	Generator	Shape of support modified for standardization	04/86
601 602 603	Generator	Standard support for all engines	02/87
102	Generator	Bracket with welded nut for attaching shock absorber for V-belt tensioning device	11/87
103	Generator	New 70 A generator (compact generator) with improved noise levels	01/90
102 601 602 603	Generator	Installation of 55 A and 70 A generators (bowl-type generator) of a further manufacturer (Valeo)	03/90
102	Generator	New 70 A generator (compact generator) with improved noise levels	09/90
102 103 601 602 603	Generator	Generator with larger capacity available as optional equipment	03/91
603.963	Generator	Installation of different generator/ B + connection at generator repositioned	04/91
104 111	Generator	New 90 A generator (compact generator)	10/92
104 111	Generator	A generator with higher output (120 A compact generator) is available as special equipment	10/92

605	Generator	A generator with higher output (90 A compact generator) is	07/93
606		available as special equipment	
111	Generator	Compact generator 90 A/ standard equipment	12/93
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