

07.1 Diesel Injection System

Op. No.	Designation	Nature and reason for modification	Production breakpoint
07.1-0500	Vacuum diagrams	Separate vacuum supply for key-operated engine stop. The vacuum supply is taken from the check valve of the main vacuum line.	07/87
07.1-0500	Vacuum diagrams	Elimination of vacuum amplifier of automatic transmission.	06/91 or model year 1992
07.1-0500	Vacuum diagrams	ARF shutoff by means of microswitch and switchover valve to achieve rapid exhaust gas recirculation shutoff at full load.	06/91 or model year 1992
07.1-0500	Vacuum diagrams	P2 control and vacuum control flap are each actuated by their own switchover valve and the same vacuum transducer.	06/91 or model year 1992
07.1-2053	Idle speed	Injection pump engine 603.971, idle speed reduced from 630 rpm to 610 rpm.	09/91
07.1-5563	Fuel filter	Standard filter box for end line pump and distributor pump Engine 602.962, 603.960/963/971	03/94
07.1-6750	Injection nozzle	Ejection pressure of used nozzle at least 130 bar (previously 120 bar).	06/91 or model year 1992
07.1-6810	Bracket of injection pipes	Standardization of brackets for injection pipes (reduction of versions) Engines 602.961/962, 603.960/963/971	04/93
07.1-6810	Bracket of injection pipes	Brackets for injection pipes cylinders 1-3 made of modified material (PA46, was POM 906) Engines 602.961/962, 603.960/963/971	06/93

09 Exhaust gas turbocharger, air cleaner

Op. No.	Designation	Nature and reason for modification	Production breakpoint
09-0050	Engine overload protection	Elimination of engine overload protection Engines 602.962, 603.960/963	01/93 or 02/93
09-0200	Engine overload protection	Engine overload protection not fitted on engine 602.96 with P2 control.	06/91 or Model Year 1992
09-5911	Exhaust gas turbocharger	"KKK" turbocharger engine 603.96: Various modifications have been made to the turbocharger to enhance operating reliability.	04/86
09-5911	Exhaust gas turbocharger	Engine 602.96: Turbocharger of another manufacturer (KKK, optionally to Garrett).	06/89
09-5911	Exhaust gas turbocharger	Engine 602.961/962 (except <u>USA</u>) with automatic transmission: Turbocharger with smaller turbine housing (KKK).	06/90
09-5911	Exhaust gas turbocharger	Boost pressure at full load reduced to 0.85 bar previously 0.95 bar.	09/91

Op. No.	Designation	Nature and reason for modification	Production breakpoint
07.1-6810	Leak oil hose	Leak oil hose between nozzle holders modified. Improved fitting security of hoses to connection of bracket. Engines 602.962, 603.960/963/971	02/94
07.1-8014	Injection timing device	Segment flange of injection timing device modified from forging to sintered part. Engines 602.962, 603.960/963/971	04/94
07.1-8240	Start of delivery	Start of delivery altered from $15 \pm 1^\circ$ after TDC to $14 \pm 0.5^\circ$ after TDC.	06/91 or model year 1992
07.1-8823	Immobilizer	Engine parts for immobilizer. New parts: shutoff valve, overflow valve. Engine 603.971	10/94