

Secondary Air Valves


Aftermarket product overview

Vehicle:	Product: Secondary air valves
Audi, BMW, Ferrari, Fiat, Ford, Mercedes, Opel, Renault, Saab, Seat, Skoda, Volvo, VW	7.20124.50.0; 7.20306.50.0; 7.20426.50.0/.69.0; 7.20605.71.0; 7.20985.50.0; 7.21695.97.0; 7.21846.58.0; 7.21872.78.0; 7.22286.07.0/.50.0; 7.22296.50.0; 7.22299.02.0; 7.22769.27.0; 7.22778.16.0/.17.0

Secondary air valves are components of the secondary air system. By blowing secondary air into the exhaust manifold post oxidation ("catalytic post combustion") is effected there.

Thus during the cold start phase, HC and CO emissions are significantly reduced.

Defective valves can be the reason for a system failure in particular of the secondary air pump. For this reason these valves should be exchanged when experiencing system damage.

 Malfunctions affecting the secondary air system can be detected through the **On-Board-Diagnosis** system. (Error codes P0410-P0419).

Notes on troubleshooting and operation can be found in the Service Information publications SI 0012, 0049 and 0059.

Please also note our *Product Information PI 0025* (Secondary Air Pumps).

Cut-off secondary air valves (ARV)

Cut-off secondary air valves (ARV) are usually valves which are actuated by a low pressure. An integrated non-return valve prevents exhaust gas or pressure bursts from entering into the secondary air system and the secondary air pump thereby causing damage.

7.22286.07.0



Replacement for 7.22286.02.0

Vehicle	Type	O.E. Number *)
AUDI	A3	06A 131 229
SEAT	ALHAMBRA, CORDOBA (Vario), IBIZA III	
VW	BORA (Variant), GOLF IV (Variant), NEW BEETLE, POLO CLASSIC, POLO Variant, SHARAN	

7.22286.50.0



Replacement for 7.22286.00.0

Vehicle	Type	O.E. Number *)
AUDI	A3	037 131 351 C
VW	BORA (Cabriolet, Variant), NEW BEETLE	
SEAT	LEON, TOLEDO II	
SKODA	FABIA, OCTAVIA (Combi)	

(Figure is similar)

7.22296.50.0


Replacement for 7.22077.02.0/.04.0/.05.0, 7.22296.00.0

Vehicle	Type	O.E. Number ^{*)}
OPEL	ASTRA F (Cabriolet, Caravan, CC), CALIBRA A, CORSA B, FRONTERA A, TIGRA, VECTRA B (CC)	A 918E0075 F 857 022 857 062 90 470 420 90 542 830

7.22299.02.0


Replacement for 7.22299.00.0

Vehicle	Type	O.E. Number ^{*)}
VOLVO	V70 I Kombi, V70 II Kombi	12 71765 91 25623

7.22769.27.0


Replacement for 7.22769.05.0

Vehicle	Type	O.E. Number ^{*)}
AUDI	A3, TT (Roadster)	06A 131 102 A
SEAT	LEON	
SKODA	OCTAVIA (Combi)	
VW	BORA (Variant), GOLF IV	

7.22778.16.0


Replacement for 7.22778.03.0

Vehicle	Type	O.E. Number ^{*)}
AUDI	A3	06A 131 351 A
SEAT	ALHAMBRA	
VW	BORA (Variant), GOLF IV (Variant), NEW BEETLE, PASSAT (Variant), SHARAN	

7.22778.17.0


Replacement for 7.22778.02.0, 7.28090.00.0

Vehicle	Type	O.E. Number ^{*)}
SEAT	ALHAMBRA	06A 131 229 B 06A 131 351
SKODA	FABIA, OCTAVIA (Combi)	
VW	BORA (Variant), GOLF IV (Cabriolet, Variant), NEW BEETLE, SHARAN	

Secondary air cut-off valves

Secondary air cut-off valves are diaphragm valves actuated by a low pressure which block off the secondary air system in the direction of the exhaust manifold. They are only opened immediately after the cold start for secondary air operation. They are driven by an electric switch valve (EUV), for example.

7.20605.71.0



Replacement for 7.20605.19.0/.21.0

Vehicle	Type	O.E. Number *)
SAAB	9000 (Hatchback)	42 28011
VOLVO	850 (Estate)	91 46656

7.21872.78.0



Replacement for 7.21872.03.0/.25.0/.28.0

Vehicle	Type	O.E. Number *)
OPEL	CALIBRA A, OMEGA B (Caravan)	857 010 857 058 90 448 811 90 542 303

Secondary air valves

Secondary air valves are built in between the secondary air cut-off valve and exhaust manifold and prevent pressure bursts from causing damage in the secondary air system. They open in response to the pressure of the secondary air flow.

7.20306.50.0



Replacement for 7.20306.00.0

Vehicle	Type	O.E. Number *)
MERCEDES BENZ	S-Class (W116)	000 140 53 60 A 000 140 53 60

7.20426.50.0



Replacement for 7.20426.00.0/.01.0/.51.0

Vehicle	Type	O.E. Number *)
BMW	3 (E21, E30), 5 (E12, E28), 6 (E24), 7 (E23)	1 266 889 11 72 1 266 889
VOLVO	240 (Estate), 340-360	12 66665

7.20426.69.0



Replacement for 7.20426.13.0/.18.0/.19.0/.31.0/.63.0/.68.0

Vehicle	Type	O.E. Number *)
FORD	SCORPIO I, SIERRA (Hatchback, Turnier)	6 165 824 86 HF 9A487 BA
OPEL	ASCONA C (CC)	851 703 90 194 460

7.20985.50.0



Replacement for 7.20985.00.0

Vehicle	Type	O.E. Number *)
BMW	3 (E30), 5 (E28)	1 279 940 11 72 1 279 940

7.21695.97.0



Replacement for 7.21695.47.0

Vehicle	Type	O.E. Number *)
FERRARI	512 TR, MONDIAL (Cabriolet)	148 494
FORD	ESCORT V, ESCORT VI, ESCORT VII, TRANSIT Bus	

7.21846.58.0



Replacement for 7.21846.08.0

Vehicle	Type	O.E. Number *)
OPEL	CALIBRA A, OMEGA B (Caravan)	09 196 528 09 199 513 58 50 301 857 209 857 210 90 469 782

Pneumatic switch valve

This pneumatically driven 3/2 way valve was used in older vehicles in connection with a secondary air system.

7.20124.50.0



Replacement for 7.20124.00.0

Vehicle	Type	O.E. Number *)
MERCEDES BENZ	8 (W115), S-Class (W116), SL (R107)	000 140 16 60 A 000 140 16 60

Subject to change and deviation from the illustrations.

Classification and replacement, see → the current catalog, TecDoc CD or system using TecDoc data.

*) The reference numbers described are for comparison purposes only and may not be used in customer invoices.