More information
can be found here

BRIEF INFORMATION

Ignition Coils

→ Tested according to the HELLA quality standard
→ A wide range of vehicle-specific applications
→ Manufactured according to current EEC specifications and derived from the specifications of the engine manufacturers
→ Ready for installation in the respective engine type

PRODUCT FEATURES

The proportion of electronics in vehicles has increased continuously in recent years. A development in which HELLA has long played a special role as an innovation leader in the field of automotive original equipment. The independent parts market also benefits in particular from this long-standing original equipment expertise – because HELLA successfully transfers its extensive OE know-how to this area and in this way makes optimal use of the existing expert knowledge.

HELLA's high level of electronics expertise is also reflected in the HELLA ignition coils, an essential component of the ignition system. The high voltage generated in the secondary winding jumps over to the spark plug, which directs the ignition spark into the combustion chamber and thus ensures the optimal combustion process.

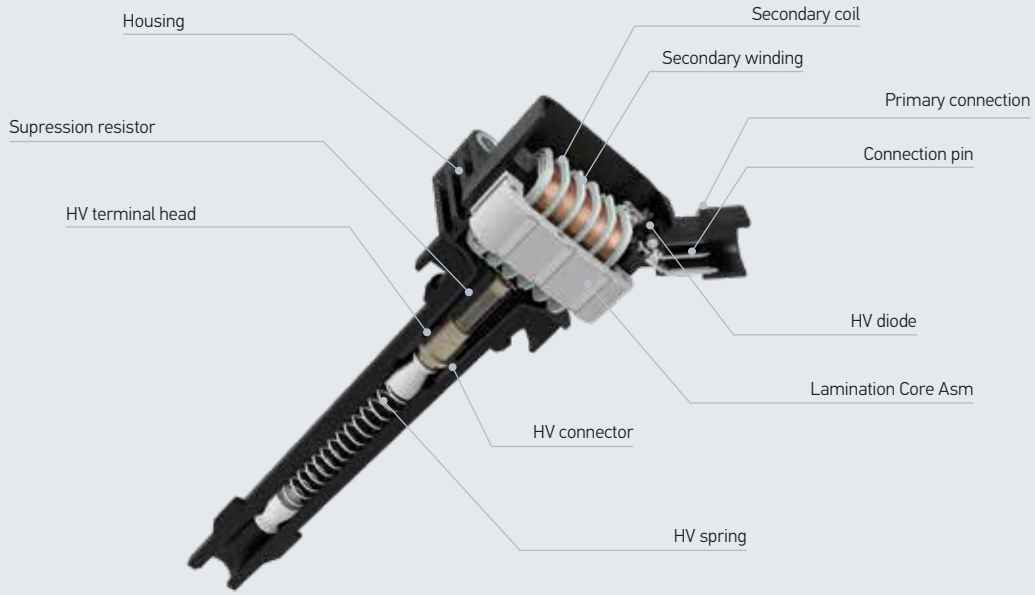
TECHNICAL DETAILS

How does it work?

The ignition coil's task is to induce a high voltage from a low voltage. This causes the ignition spark that is needed in order to flash over on the spark plug. The main components are the primary winding, the secondary winding, and the electrical connections.

A collapsing magnetic field in the primary coil causes a high voltage to be induced in the secondary coil.

The amount of high voltage induced depends on the speed of change in the magnetic field, the number of windings on the secondary coil, and the strength of the magnetic field. The opening induction voltage of the primary winding is between 300 and 400 V. The high voltage on the secondary coil can be up to 40 kV, depending on the ignition coil.



Glossary

Here are examples of two different designs:

1 Single-spark coil /pencil coil:
One coil per cylinder, usually installed directly above the sparking plug.

2 Multi spark ignition coil:
Several coils are housed in a single casing (block) to supply all of the sparking plugs installed in the engine with the required ignition voltage. Quite often, an ignition output stage is integrated in the block ignition coil.

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PROGRAM OVERVIEW*

Part number	OE brand	OE number
5DA 358 000-341	DAEWOO	55575499
	DAEWOO	55577898
	DAEWOO	55579072
	OPEL	1208092
	OPEL	1208093
	OPEL	1208096
	OPEL	55573735
	OPEL	55575499
	OPEL	55577898
	OPEL	55579072
	VAUXHALL	1208092
	VAUXHALL	1208093
	VAUXHALL	1208096
	VAUXHALL	55573735
	VAUXHALL	55575499
	VAUXHALL	55577898
	VAUXHALL	55579072
5DA 358 000-171	AUDI	032 905 106 F
	AUDI	032 905 106D
	SEAT	032 905 106 B
	SEAT	032 905 106 D
	SEAT	032 905 106 E
	SEAT	032 905 106 F
	SEAT	329 051 06
	SKODA	032 905 106 B
	SKODA	032 905 106 D
	SKODA	032 905 106 E
	SKODA	032 905 106 F
	SKODA	329 051 06
	VW	032 905 106
	VW	032 905 106 B
	VW	032 905 106 E
	VW	032 905 106 F
	VW	032 905 106D
5DA 193 175-501	SEAT	036 905 100 D
	SEAT	036 905 715 A
	SEAT	036 905 715 C
	SEAT	036 905 715 E
	SEAT	036 905 715 F
	SEAT	036 905 715 G
	SEAT	369 057 15
	SKODA	036 905 715 A
	SKODA	036 905 715 C
	SKODA	036 905 715 E
	SKODA	036 905 715 F
	SKODA	036 905 715 G
	SKODA	369 057 15

Part number	OE brand	OE number
5DA 193 175-501	VW	036 905 100 D
	VW	036 905 715
	VW	036 905 715 A
	VW	036 905 715 C
	VW	036 905 715 E
	VW	036 905 715 F
	VW	036 905 715 G
	VW	036 905 715 H
5DA 193 175-331	OPEL	10458316
	OPEL	12 08 021
	VAUXHALL	10458316
	VAUXHALL	12 08 021
5DA 193 175-921	AUDI	06F 905 115
	AUDI	06F 905 115 A
	AUDI	06F 905 115 B
	AUDI	06F 905 115 C
	AUDI	06F 905 115 D
	AUDI	06F 905 115 E
	AUDI	06F 905 115 F
	AUDI	07K 905 715
	AUDI	07K 905 715 A
	AUDI	07K 905 715 B
	AUDI	07K 905 715 C
	AUDI	07K 905 715 D
	AUDI	07K 905 715 E
	SEAT	06F 905 115
	SEAT	06F 905 115 A
	SEAT	06F 905 115 B
	SEAT	06F 905 115 C
	SEAT	06F 905 115 D
	SEAT	06F 905 115 E
	SEAT	06F 905 115 F
	SEAT	07K 905 715
	SEAT	07K 905 715 A
	SEAT	07K 905 715 B
	SEAT	07K 905 715 C
	SEAT	07K 905 715 D
	SEAT	07K 905 715 E
	SKODA	06F 905 115
	SKODA	06F 905 115 A
	SKODA	06F 905 115 B
	SKODA	06F 905 115 C
	SKODA	06F 905 115 D
	SKODA	06F 905 115 E
	SKODA	06F 905 115 F
	SKODA	07K 905 715
	SKODA	07K 905 715 A

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PROGRAM OVERVIEW*

Part number	OE brand	OE number
5DA 193 175-921	SKODA	07K 905 715 B
	SKODA	07K 905 715 C
	SKODA	07K 905 715 D
	SKODA	07K 905 715 E
	VW	06F 905 115
	VW	06F 905 115 A
	VW	06F 905 115 B
	VW	06F 905 115 C
	VW	06F 905 115 D
	VW	06F 905 115 E
	VW	06F 905 115 F
	VW	07K 905 715
	VW	07K 905 715 A
	VW	07K 905 715 B
	VW	07K 905 715 C
	VW	07K 905 715 D
	VW	07K 905 715 E
5DA 358 000-671	MERCEDES-BENZ	000 150 19 80
	MERCEDES-BENZ	000 150 27 80
	MERCEDES-BENZ	272 906 00 60
	MERCEDES-BENZ	A 000 150 19 80
	MERCEDES-BENZ	A 000 150 27 80
	MERCEDES-BENZ	A 272 906 00 60
5DA 358 000-241	OPEL	1 208 098
	OPEL	55 584 404
	VAUXHALL	1208098
	VAUXHALL	55 584 404
5DA 193 175-491	BMW	1 712 219
	BMW	12 13 0 390 064
	BMW	12 13 1 712 219
	BMW	12 13 7 551 049
	BMW	12 13 7 559 842
	BMW	12 13 7 562 744
	BMW	12 13 7 562 745
	BMW	12 13 7 571 643
	BMW	12 13 7 594 937
	BMW	12 13 7 594 938
	BMW	12 13 8 647 689
	BMW	7 551 049
	BMW	7 559 842
	BMW	7 562 744
	BMW	7 562 745
	BMW	7 571 643
	BMW	7 594 937
	BMW	7 594 938
	BMW	7 638 477
	BMW	8 647 689

Part number	OE brand	OE number
5DA 193 175-491	BMW (BRILLIANCE)	12 13 0 148 594
	CITROËN	5970 64
	MINI	12 13 7 550 012
	MINI	12 13 7 551 049
	MINI	12 13 7 562 744
	MINI	12 13 7 571 643
	MINI	12 13 7 571 644
	MINI	12 13 7 575 010
	MINI	12 13 7 582 627
	MINI	12 13 7 594 935
	MINI	12 13 7 594 937
	MINI	12 13 7 638 477
	MINI	12 13 8 616 153
	MINI	7 550 012
	MINI	7 571 643
	MINI	7 575 010
	MINI	7 594 937
	PEUGEOT	2451.9
	PEUGEOT	5970 64
5DA 193 175-481	HYUNDAI	27301-2B010
	KIA	27301-2B010
5DA 358 000-421	CITROËN	5970.88
	CITROËN	5970.C0
	CITROËN	5970.C1
	PEUGEOT	5970.88
	PEUGEOT	5970.C0
	PEUGEOT	5970.C1
	TOYOTA	90080-19015
	TOYOTA	90080-19019
	TOYOTA	90919-02239
	TOYOTA	90919-02262
	TOYOTA	90919-T2002
	TOYOTA	90919-W2001

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