



INNOVATION
and
Sustainability.

INNOVAZIONE E SOSTENIBILITÀ



INNOVATION AND SUSTAINABILITY

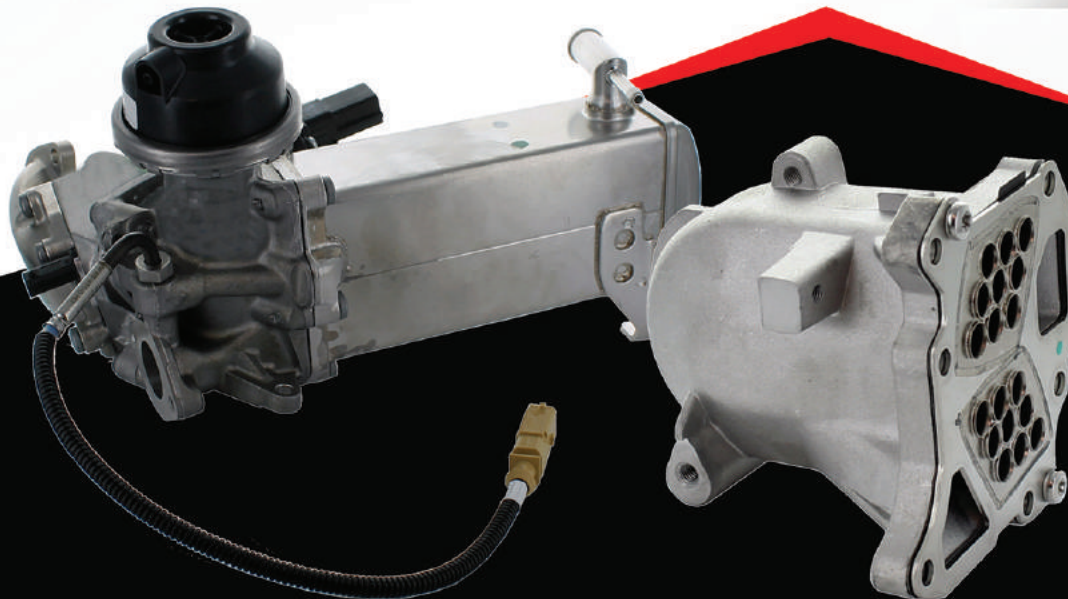
A group of expert technicians decided to provide you benefits through original quality spare parts for your vehicles. The main goal is to become and to be established as the trusted partner in supplying components necessary to ensure quality, completeness and efficiency.



ARMAN VISION AND MISSION



Arman vision has been developed in order to become a stable and reliable brand in the current international aftermarket. Another important aim is to obtain and maintain the trust of both customer and supplier. Customer care plays a fundamental role in the behaviour of Arman organization. The collaboration with all the partners is based on trust and cooperation, demonstrating a deep and complete understanding of the clients needs. Arman mission is based on a daily improvement of the techniques and knowledge. Searching the best manufacturers in the aftermarket field remains one of the main challenges, which is continuously met. Arman is providing the possibility to supply original quality products and increase its range with several and always new categories of products.



SOME PRODUCTS PRESENT IN ARMAN RANGE

Arman will select different categories of products, starting from:



- **INJECTION CONTROL SYSTEM:**
engine control units, throttle bodies,
idle control valves, injectors.



- **IGNITION SYSTEM:**
ignition coils.



- **FUEL SYSTEM:**
electric fuel pumps, fuel level senders,
fuel supply units, mechanical fuel pumps,
fuel pump kits, fuel pump filters.

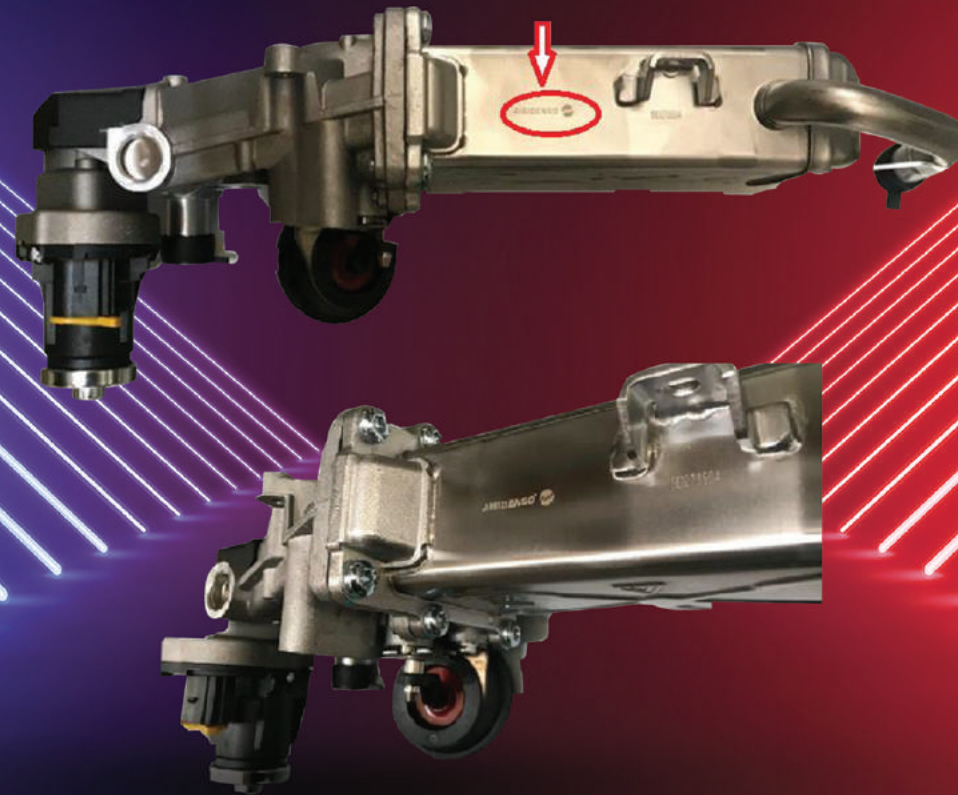


- **EMISSION CONTROL SYSTEM:**
E.G.R. valves, E.G.R. modules (E.G.R. valve + cooler),
E.G.R. coolers, E.G.R. control valve, lambda sensors.

Arman range is continuously increasing and improving.
It will be monthly updated.



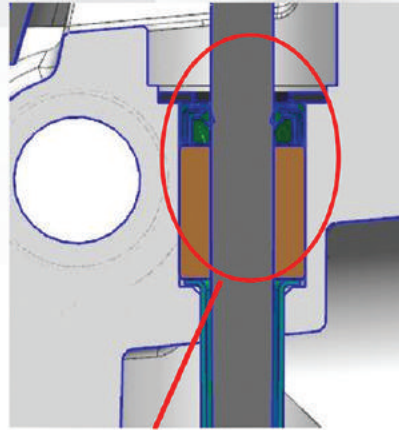
ARMAN BRAND UPON THE PRODUCTS



FOCUS ON A COMPARISON ANALYSIS OF VW FAST MOVING E.G.R. VALVE

The comparison is oriented to provide the supplier and the customer a more detailed point of view on technical data and interior components of the fast-moving VW E.G.R. valve - code 83.998AS

OE



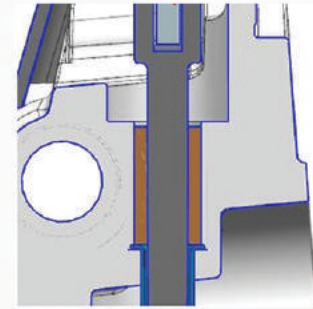
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Guide sleeve, seal ring, retainer ring, rivetting after assembly



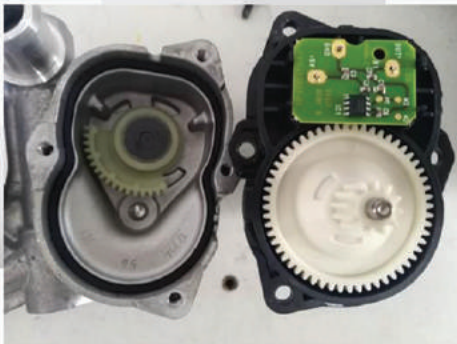
OTHERS

Only equipped with guide sleeve, no seal ring and retainer ring

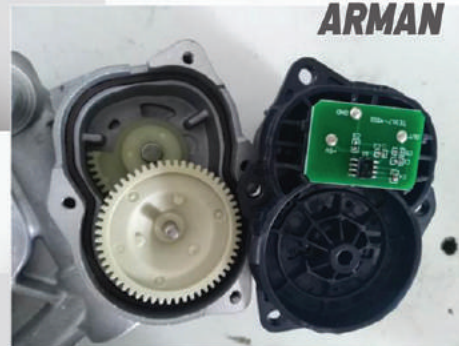


MECHANISM TRANSMISSION DIFFERENCE

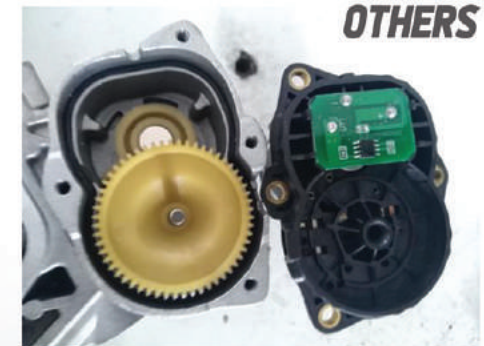
OE



ARMAN



OTHERS



	OE	ARMAN	Others
Structure point		1 Imported chip: Melexis brand ; 2 The same gear materials of brand Dupont.	Unknown materials, huge clearance of gears
Advantage	The gears are worn slightly after action test of 760h140°C.		Low costs, the product works normally in short time.

MANUFACTURING ACCURACY DIFFERENCE OF VALVE BODY CASTING



OE



ARMAN



OTHERS

	OE	ARMAN	Others
Structure point	No leakage of valve, high machining accuracy.	1、 The valve undergoes 400Kpa pressure check, ensures no leakage 2、 Four axis machining centre can finish all surfaces in one step, ensuring dimensions accuracy.	1、 Usually, the valve undergoes 200Kpa pressure check; 2 low machining accuracy.
Advantages	Excellent sealing property, high machining accuracy of valve	Excellent sealing property, high machining accuracy of valve	



ASSEMBLY SEALING DIFFERENCE



OE

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OTHERS

	OE	ARMAN	Others
Structure point	It is employed the steel gasket of SUS301 with fluororubberto seal the valve body and EGR cooler, no glue seal in the middle.	It is employed the steel gasket of SUS301 with fluororubberto seal the valve body and EGR cooler, no glue seal in the middle.	1 It is employed the ordinary steel rail and the seal glue in the middle 2 Some manufacturers save the steel rail, just use the glue to seal directly.
Advantages	It would be ensured that the requirements of long-term sealing in high temperature.		Low requirements of assembly flatness for valve body and EGR cooling.



THE DIFFERENCE BETWEEN MATERIALS USED IN COOLERS



OE

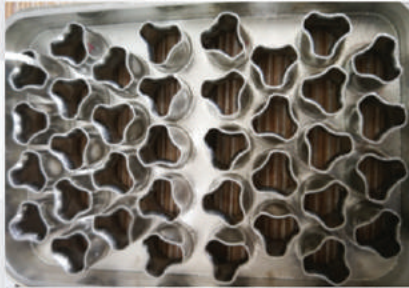
ARMAN

OTHERS

	OE	ARMAN	Others
Structure point	It is employed SUS304L as the material for halftone , the cooling pipe drawn by the SUS316L inner mandrel		The halftone adopts SUS304 material, and the cooling pipe is welded by SUS304 non mandrel.
Advantages	Good clearance between the halftone and heat pipe, high strength of welding, good corrosion resistance.		Low costs for materials.



DIFFERENCE BETWEEN WELDING PROCESS AND SOLDER PASTE



OE

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OTHERS

	OE	ARMAN	Others
Structure point	It is employed the high quality solder and reasonable process curve of induction brazing.		It is employed the low quality solder, poor brazing process.
Advantages	The solder shows the good capacity of flow, reasonable brazing process, ensures that the weld joint is fulfilled between heat pipe and halftone after brazing.		Low costs



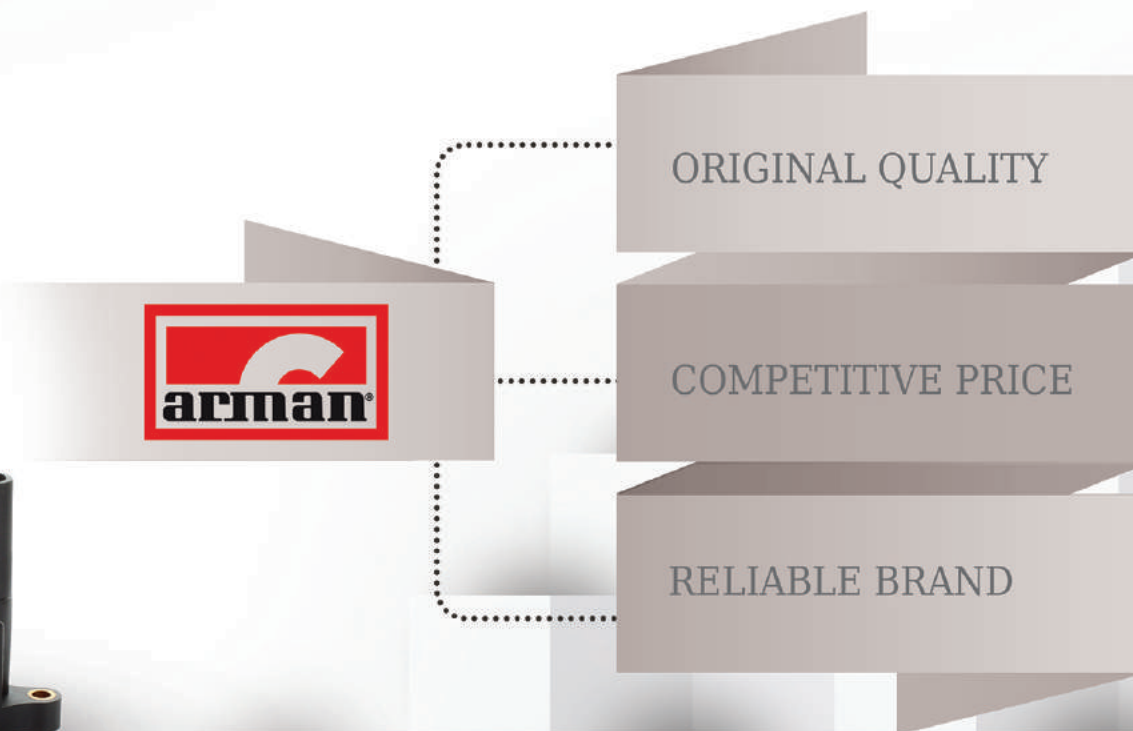
REMARKABLE ADVANTAGE

The level of the products selected by Arman is close to the standard OE quality one. Therefore, every Arman-branded product is immediately recognizable and they ensure reliability and long-lasting duration across the years.



COOPERATION BETWEEN ARMAN ORGANIZATION AND S.I.D.A.T. GROUP

The desire of playing a reliable role in the European aftermarket lead S.i.d.a.t. Group and Arman organization to close an agreement during the spring of 2019. This is giving S.i.d.a.t. Group the opportunity to improve its support towards the customers.





AND



INTERNATIONAL PRESENCE:



Thank you for your kind attention

