#BECLEVER

VAICO®

MULTI-PLATE CLUTCH ALL-WHEEL DRIVE

OUR SMART EXPERT KITS+

FOR A SMOOTH CHANGE

PREMIER TecDoc® DATA SUPPLIER

Powered by VIEROL

www.vaico.de

VAICO

ENGINE & TRANSMISSION PARTS BY VIEROL

The VAICO quality brand stands for high-quality automotive parts. Our focus is therefore on the heart of the car: the engine and the transmission.

As a specialist in the independent parts market, and one that is known worldwide, we offer an extensive of products, from suction modules to venting hoses and cylinder head covers. We cover more than 13,000 different vehicle models.

Our VAICO parts even cover 95 per cent of the German vehicle market. Whether transmission filters and sets, oil pans, or housing – VAICO offers the best quality products. Suitable transmission oil is also available, in addition to engine oil, antifreeze or additives.

Our range has been bolstered by innovative repair sets from the Expert Kits+ selection. These kits include sets for changing oil, repair kits with hoses and venting valves or transverse control sets. The Q+ seal identifies parts with OEM quality, just like those made by the original equipment manufacturers.

Our competent expert team works everyday to optimise our VAICO automotive parts and to extend our range. Our aim is to have satisfied customers all around the world.

HALDEX CLUTCHES

The haldex clutches is used by various vehicle manufacturers and models with all-wheel drive to also direct the drive force to the normally non-driven axle if required.

The multi-plate clutch, which runs in an oil bath, is subject to wear and tear, especially when the Haldex clutch only transmits part of the drive force and is therefore not fully closed (0 - 100% frictional locking is possible). This abrasion is absorbed by the oil, but ensures that the Haldex clutch must be serviced at regular intervals (e.g. at VW every 3 years or after 30,000 km). If the oil change of the Haldex clutch (and filter change) is not carried out or is carried out late, the contamination can cause functional problems or even damage the pre-charging pump responsible for building up the required oil pressure.

In addition to the individual hydraulic filters, oils and pumps, VAICO offers you various EXPERT KITS+ which, depending on the desired scope of service and repair, are supplied with or without a pump and include all the necessary assembly materials and the correct oil. Our comprehensive repair kits are professionally put together with a lot of know-how and offer a service extension to the manufacturer's specification due to the extended scope of contents.

TECH-INFO

SERVICE & REPAIR
MULTI-PLATE CLUTCH ALL-WHEEL DRIVE

HYDRAULIC FILTER, PARTS SETS | 17301
FEEDER PUMP MULTI-PLATE CLUTCH | 17303

The multi-plate clutch is used by various vehicle manufacturers and models with all-wheel drive to also direct the drive force to the normally non-driven axle if required.
Due to the electronic control, a multi-plate based all-wheel drive is compatible with driving assistance systems such as ABS or ESP and also offers the advantage of being significantly more energy-efficient than permanent all-wheel drive and is therefore particularly recommended in compact and mid-range vehicles.
The multi-plate clutch, which runs in an oil bath, generates abrasion. This abrasion is absorbed by the oil, but ensures that the clutch must be serviced at regular intervals (e.g. at VW every 3 years or after 30,000 km). If the oil and filter change is not carried out or is delayed, the contamination can cause functional problems or even damage the feeder pump.

SYMPTOMS

- All-wheel drive does not engage
- EPC warning light is on
- Oil loss / leakage

REASONS FOR FAILURE

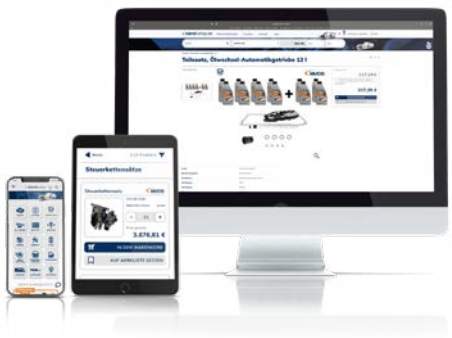
- Oil change interval due
- Feeder pump defective / dirty
- Corrosion of pump housing (leaking)
- Oil change not carried out

RECOMMENDED BY AN EXPERT

- Change the oil in the clutch
- Replace oil pump of multi-plate clutch

INSTALLATION TIP!

VAICO recommends removing the feeder pump at every oil change in order to replace the oil strainer installed in front of the pump. Corresponding kits are available under V10-7329 (Gen 1-3), V10-6982 (Gen 4) and V10-6662 (Gen 5). Particularly recommended from generation 5 onwards, where a spin-on filter is no longer installed.



PARTS AND REPAIR KIT, OIL CHANGE MULTI-PLATE CLUTCH ALL-WHEEL DRIVE FROM VAICO

Over **30 EXPERT KITS+** and over 65 components on **www.vierol-shop.de/en**

- Coverage of 95% of the vehicle stock
- Over 30 specially assembled EXPERT KITS+
- Oil Made in Germany

* For detailed vehicle information, please refer to the vehicle lists under **www.vierol-shop.de.**

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EXPERT KITS+

The EXPERT KITS+ articles consist of:

EXAMPLE EXPERT KITS+

Example V10-5600 consists of:

Screw plug, hydraulic filter and hydraulic oil

EXAMPLE EXPERT KITS+ XXL

Example V10-5600-XXL consists of:

Screw plug, hydraulic filter, hydraulic oil and **strainer kit**

Oil change kit with additional strainer kit V10-6982 to remove the pre-charge pump during servicing and to change the strainer on the pump, which is usually very dirty.

Compared to the manufacturer's specifications, this is an extended service scope that VAICO strongly recommends.

SERVICE & REPAIR
MULTI-PLATE CLUTCH ALL-WHEEL DRIVE

Brand	Article No.	X-Ref*	Applications
AUDI/VW	V10-5857	G 052 175 A1 kit	A3, TT, Golf IV, Passat, Leon, Octavia
	V10-5857-XXL	G 052 175 A1 kit2	A3, TT, Golf IV, Passat, Leon, Octavia
	V10-6822	02D 525 557 kit	A3, TT, Golf IV, Passat, Leon, Octavia
	V10-5753	G 055 175 A2 kit	A3, TT, Golf V, Passat, T5, Altea, Octavia
	V10-6823	0AV 598 549 A kit	A3, TT, Golf V, Passat, T5, Altea, Octavia
	V10-6824	02W 598 549 A kit	A3, TT, Golf V, Passat, T5, Altea, Octavia
	V10-5600	G 060 175 A2 kit	A3, TT, Golf VI, Passat, Tiguan, Octavia
	V10-6825	0AY 598 549 A kit	A3, TT, Golf VI, Passat, Tiguan, Octavia
	V10-6603	G 060 175 A2 kit2	A3, Golf VII, Passat, Tiguan, Octavia
	V10-6603-XXL	G 060 175 A2 kit3	A3, Golf VII, Passat, Tiguan, Octavia
	V10-6826	0CQ 598 549 kit1	A3, Golf VII, Passat, Tiguan, Octavia
	V10-6828	G 065 175 A2 kit1	Arteon, Golf VIII, Tiguan, Sharan, Karoq, Superb III
	V10-6828-XXL	G 065 175 A2 kit2	Arteon, Golf VIII, Tiguan, Sharan, Karoq, Superb III
	V10-6827	0CQ 598 549 kit2	Arteon, Golf VIII, Tiguan, Sharan, Karoq, Superb III
	V10-000267-XXL	G 065 175 A2 kit4	A3, Golf VIII, Formentor, Octavia IV
BMW	V20-4069	83 22 2 413 513 kit1	F40, F45/46, F48, F39
	V20-4069-XXL	83 22 2 413 513 kit2	F40, F45/46, F48, F39
	V20-4074	33 10 8 663 457 kit	F40, F45/46, F48, F39
FORD	V25-2135	1 673 828 kit	Kuga

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SERVICE & REPAIR
MULTI-PLATE CLUTCH ALL-WHEEL DRIVE

Brand	Article No.	X-Ref*	Applications
	V25-2160	1 589 740 kit	Kuga
	V25-2685	8V41-4A319-AA kit	Kuga
	V25-2686	1 526 44 kit	Kuga
LAND ROVER	V48-0522	LR 032298 kit	Freelander 2, Evoque
	V48-0526	LR 075763 kit	Freelander 2, Evoque
	V48-0528	LR 054941 kit1	Evoque, Discovery Sport
	V48-0528-XXL	LR 054941 kit2	Evoque, Discovery Sport
	V48-0527	LR 051321 kit	Evoque, Discovery Sport
OPEL/SAAB	V40-1695	04 03 012 kit	Insignia, 9-3, 9-5
	V40-1744	04 04 029 kit	Insignia, 9-3, 9-5
	V40-1745	04 04 078 kit	Insignia, 9-3, 9-5
VOLVO	V95-0612	31 325 173 kit	S60, V60, V70, XC60, XC70, XC90
	V95-0617	31 256 757 kit	S60, V60, V70, XC60, XC70, XC90
	V95-0619-XXL	31 367 940 kit	S60, S90, V40, V60, V70, V90, XC40, XC60, XC90
	V95-0618	31 367 750 kit	S60, S90, V40, V60, V70, V90, XC40, XC60, XC90
	V95-0644	30 787 687 kit	S40 II, S60 I, S80 I, S80 II, V50, V70 II, V70 III
	V95-0645	30 783 079 kit	S40 II, S60 I, S80 I, S80 II, V50, V70 II, V70 III
	V95-0760-XXL	32 240 905 kit	S90, S60, V60, V90, XC60, XC90

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HYDRAULIC FILTER
MULTI-PLATE CLUTCH ALL-WHEEL DRIVE

Brand	Article No.	X-Ref*	Applications
AUDI/VW	V10-2685	02D 525 558 A	A3, TT, Golf IV, Bora, Sharan, Leon, Octavia
	V10-2686	02D 598 574	A3, TT, Golf V, Passat, T5, Leon, Octavia
	V10-5000	0BR 525 558 part	A3, TT, Golf VI, Passat, Tiguan, Octavia
	V10-6662	0CQ 598 549 part	A1, A3, Q3, Golf VII, TT, Passat, T6, Octavia
	V10-6982	0AY 598 305 kit	A1, A3, Passat, Q3, Superb, Tiguan, TT, Yeti ...
	V10-7329	02D 598 305	A3, Alhambra, Altea XL, Bora, Golf IV, Leon, Octavia ...
	V10-000229	5WA 907 554 P part	A3, Caddy, Formentor, Golf VIII, Leon, Octavia
FORD	V25-1300	8V41-4A319-AA	Kuga
	V25-2070	1 673 828	Kuga
OPEL	V40-1565	04 03 012	Insignia, 9-3, 9-5
LAND ROVER	V48-0263	LR 032298	Freelander 2
VOLVO	V95-0466	8 675 235	S60
	V95-0372	30 787 687	S40, S60, V50, S80, V70, XC60, XC70, XC90
	V95-0373	31 325 173	S60, S80, V60, V70, XC60, XC70, XC90

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PUMP
MULTI-PLATE CLUTCH ALL-WHEEL DRIVE

Brand	Article No.	X-Ref*	Applications
AUDI/VW	V10-6587	02D 525 557	A3, Golf IV, Bora, TT, Sharan, Leon, Octavia
	V10-6588	0AV 598 549 A	A3, Golf V, Passat, TT, Altea, Octavia
	V10-6589	02W 598 549 A	T5
	V10-6591	0AY 598 549 A	A1, A3, Q3, Golf VI, TT, Passat, T5, T6, Octavia
	V10-6592	0CQ 598 549	A1, A3, Q3, Golf VII, TT, Passat, T6, Octavia
	V10-6593	0CQ 598 549 A	Crafter
	V10-6594	0CQ 525 549	Crafter
BMW	V20-4007	33 10 8 663 457	F40, F44, F45/46, F48, F39, F54, F60
FORD	V25-2117	7F93-4C019-AA	FORD USA
	V25-2107	1 526 441	Kuga
	V25-2115	1 589 740	Kuga
	V25-2116	2 274 601	Transit
KIA	A53-0042	47810-3B520	Santa Fe, Sorento, Tucson, Sportage
LAND ROVER	V48-0518	LR 003147	Freelander 2
	V48-0515	LR 075763	Freeelander 2, Evoque, S60, S80, XC60, XC90
	V48-0516	LR 051321	Discovery Sport, Evoque
	V48-0517	LR 093768	Velar, F Pace-XE-XF
OPEL	V40-1673	04 04 029	Insignia, Saab, Buick, Cadillac
	V40-1674	04 04 078	Insignia, 9-3, Buick, Cadillac
PORSCHE	V45-0231	9P1 906 271 A	911 Turbo, Cayenne
VOLVO	V95-0596	8 675 234	S60
	V95-0595	30 783 079	XC70 I & II
	V95-0597	31 367 750	S60, S90, V40, V60, V70, V90, XC40, XC60, XC90

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REPAIR KIT, DIFFERENTIAL

Brand	Article No.	X-Ref*	Applications
AUDI/VW	V10-000355	02D 525 251 A kit1	A1, A3, Altea, Golf IV, Passat, Leon, Octavia, TT, Q3

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VAICO®

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