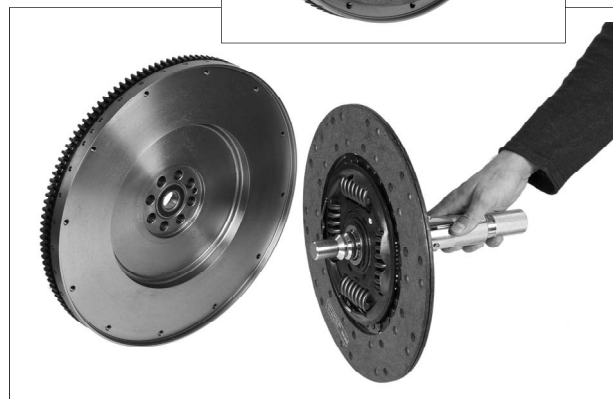
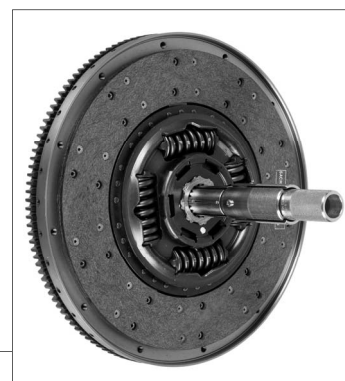




HGV Clutch Aligner Kit



4200 080 562



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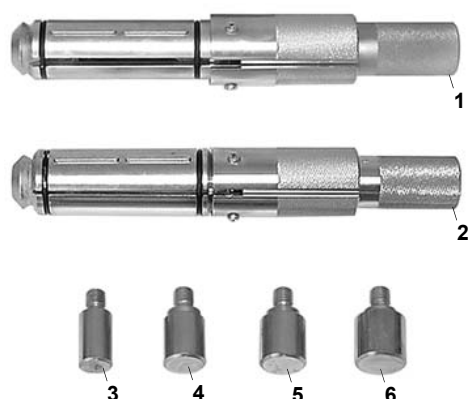
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78154 Donaueschingen - GERMANY

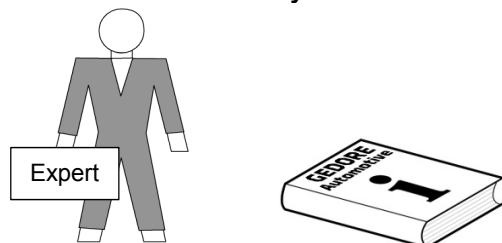
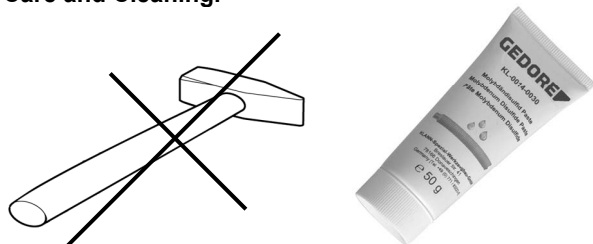
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4200 080 562

Scope of Delivery: 4200 080 562


Read the Product Information completely and make sure you have understood it correctly.


Care and Cleaning.

4200 080 562

HGV Clutch Aligner Kit

Universally applicable to HGVs equipped with either a single-disc or double-disc clutch.

Field of Application

The **4200 080 562** HGV clutch aligner kit is indispensable for the quick and easy alignment of the clutch disc/clutch discs.

The centring takes place via the pilot bearing in the crankshaft.

Scope of Delivery

Pos.	Part No.	Description	Qty
-	4200 080 562	HGV Clutch Aligner Kit	1
<i>composed of:</i>			
1	KL-0069-610 ZF	Clutch-Centring Pin, Size 1, Ø 36-45mm	1
2	KL-0069-620 ZF	Clutch-Centring Pin, Size 2, Ø 42-52mm	1
3	KL-0069-6001	Centring Piece, Ø 20mm	1
4	KL-0069-6002	Centring Piece, Ø 25mm	1
5	KL-0069-6003	Centring Piece, Ø 27mm	1
6	KL-0069-6004	Centring Piece, Ø 30mm	1
-	KL-0069-6090 ZF	Plastic Storage Case (not shown)	1
Pos.	Part No.	Description	Qty
1	KL-0069-610 ZF	Clutch-Centring Pin, Size 1, Ø 36-45mm	1
<i>composed of:</i>			
-	KL-0069-6101	Set of Clamping Elements, Size 1 with Spring Dowel Pins, Ø 2.5x10mm	1
-	KL-0069-6103	O-Ring, Ø 26x3.5mm	2
-	KL-0069-6104	Set of Holding Elements	1
-	KL-0069-6105	Oval Head Screw, M4x8	3
-	KL-0069-6106	Expansion Shaft	1
-	KL-0069-6107 ZF	Clamping Nut	1
Pos.	Part No.	Description	Qty
2	KL-0069-620 ZF	Clutch-Centring Pin, Size 2, Ø 42-52mm	1
<i>composed of:</i>			
-	KL-0069-6201	Set of Clamping Elements, Size 2 with Spring Dowel Pins, Ø 2.5x10mm	1
-	KL-0069-6103	O-Ring, Ø 26x3.5mm	2
-	KL-0069-6104	Set of Holding Elements	1
-	KL-0069-6105	Oval Head Screw, M4x8	3
-	KL-0069-6106	Expansion Shaft	1
-	KL-0069-6207 ZF	Clamping Nut	1

Technical Data

Size 1 for clutch disc hub inner Ø:..... 36-45mm

Size 2 for clutch disc hub inner Ø:..... 42-52mm



Warnings and Notes

- Any work on vehicles should only be performed by qualified specialist personnel observing and complying with the directions, provisions, and safety regulations specified by the vehicle manufacturer.
- Always refer to the vehicle manufacturer's data and instructions as only these apply to all work that is carried out on the vehicle.
- All vehicle-specific data stated herein are supplied under reserve and without commitment.
- Before putting the tool into operation, visually check that it is not damaged.
- Lubricate all moving parts of the tool with molybdenum disulphide paste. (e.g. **KL-0014-0030** available from **GEDORE Automotive**)

Centring the Clutch Disc (Single-Disc Clutch):

Fig. 1: Determination of components and assembling of the clutch aligner.

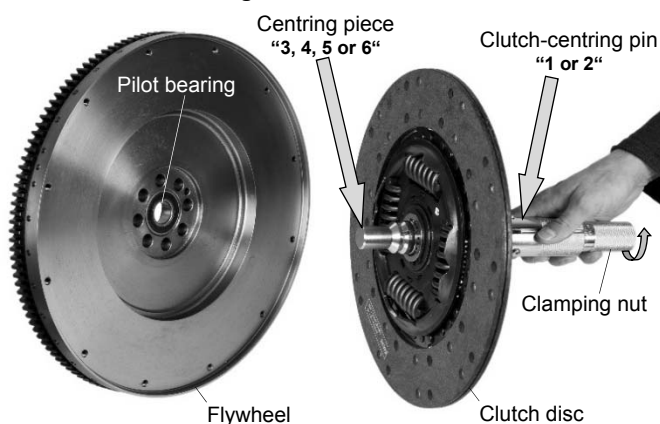
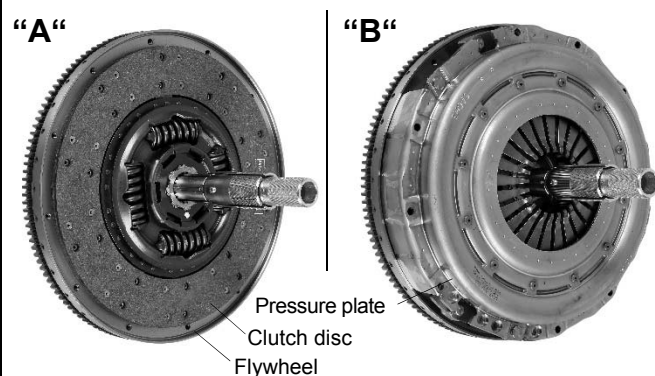


Fig. 2: Centring the clutch disc/Mounting the pressure plate



Centring the Clutch Discs (Double-Disc Clutch):

Fig. 3: Centring the clutch discs.

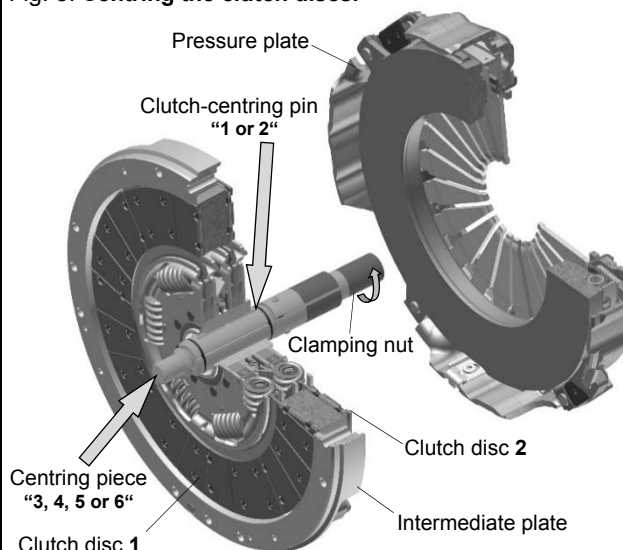
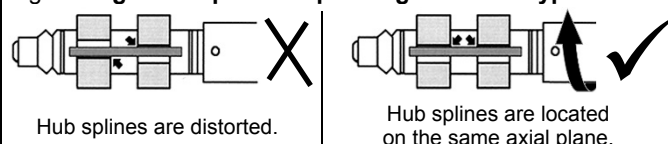


Fig. 4: Align hub splines depending on clutch type.



Example of Use:

The following instructions describe how to center both an HGV single-disc and double-disc clutch.

Centring of the Clutch Disc (Single-Disc Clutch):

1. Determination of components and assembling of the clutch aligner.
Depending on clutch disc and pilot bearing Ø, select suitable clutch-centring pin "1 or 2" and centring piece "3, 4, 5 or 6".
2. Screw suitable centring piece "3, 4, 5 or 6" into clutch-centring pin "1 or 2". (Fig. 1)
3. Insert clutch aligner into clutch disc. Fix it by turning the clamping nut. (Fig. 1)
Insert clutch aligner along with clutch disc into flywheel. Make sure that centring piece is properly seated in the pilot bearing of the crankshaft. (Fig. 1 + 2 A)
4. Mount pressure plate to flywheel according to the instructions of the manufacturer. (Fig. 2 B)
5. Remove clutch aligner.

Centring of the Clutch Discs with Intermediate Plate (Double-Disc Clutch):

1. Determination of components and assembling of the clutch aligner.
Depending on clutch disc and pilot bearing Ø, select suitable clutch-centring pin "1 or 2" and centring piece "3, 4, 5 or 6".
2. Screw suitable centring piece "3, 4, 5 or 6" into clutch-centring pin "1 or 2". (Fig. 3)
3. Insert clutch aligner into clutch discs with intermediate plate. Fix it by turning the clamping nut. (Fig. 3)
Insert clutch aligner along with clutch discs and intermediate plate into flywheel. Make sure that centring piece is properly seated in the pilot bearing of the crankshaft. (Fig. 1 + 2 A)
4. Mount pressure plate to flywheel according to the instructions of the manufacturer. (Fig. 2 B)
Note: Depending on clutch type, align clutch discs during installation by turning the holding element. Make sure that the hub splines of the clutch discs are located on the same axial plane. (Fig. 4)
5. Remove clutch aligner.



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