



AFTERMARKET

Repair kits for WG 200

Asian Off-Highway Applications



ZF Aftermarket is at the forefront of innovation, offering a wide range of transmission products designed to enhance vehicle performance and efficiency. Our offerings include complete transmission units that ensure smooth and reliable power delivery, alongside high-quality bearings and sealings that guarantee optimal lubrication and protection. With our wider portfolio of gear parts, range selectors, oils and lubricants as well as oil filters, electronics (including control units), torque converters and swing drives – amongst many more – make ZF Aftermarket THE partner when it comes to high-performance transmissions for construction machinery.

ZF WG 200 Repair Kits

Taking into consideration the challenges of the modern workshop and in order to minimize the downtime of the vehicle, ZF Aftermarket created a set of repair kits that will make the life of a workshop technician much easier and will reduce the time for spare parts search and ordering, as well minimize the risk of a wrong part ordering. Apart from simplifying the ordering process, stock-holding challenge, the customer will get a price advantage in comparison to single part ordering.

Based on years of technical experience in ZF owned workshops, repair kits have recently been defined for selected product ranges.



The repair kits offered in this brochure are applicable to the following WG 200 transmission variants:

- 4644.024.146 4 WG 200(555/5)
- 4644.024.246 4 WG 200
- 4644.024.247 4 WG 200
- 4644.024.228 4 WG 200(555/5)

In order to verify whether or not the list of kits are applicable to your transmission, please refer to the data-plate on the transmission and ensure that it is one of the above parts list numbers.

	Engineered by ZF Friedrichshafen AG, Germany Manufactured by Liuzhou ZF Machinery Co. Ltd, China		2
	Type 1		
Parts List No. 3	Serial No. 4		TE-ML 6
Customer's Part No. 5			
Characteristic			

Through the launch of these repair kits, complexity is significantly reduced, not only for our customers, but also for ZF since:

- One kit part number being applicable to multiple transmission part numbers.
- Individual component part numbers do not have to be ordered, reducing the risk of ordering the incorrect individual part number.
- Stock-holding is simplified as fewer part numbers have to be kept in stock, simplifying the task of forecasting for our customers.

1. Product designation
2. Optional QR Code
3. Parts list [BoM] number
4. Serial number
5. Customer spec. number, if known to ZF
6. Number of List of Lubricants

The following data should always be quoted when making inquiries or undertaking repairs: 1, 3, 4

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Kit overview

K1/KV - Clutch kit

4644.298.494

P/N	Description	Qty
0501.338.124	Outer clutch disk	8
0501.338.222	Profile sealing ring	2
0501.338.223	Profile sealing ring	2
4642.308.084	Guide ring	2
0730.513.434	Snap ring A = 2.30	1
0730.513.436	Snap ring A = 2.40	1
0730.513.181	Snap ring A = 2.50	1
0635.303.203	Needle sleeve	1
0635.303.205	Needle sleeve	1
0501.332.096	Outer clutch disc	12
0730.150.779	Thrust washer	1
0634.313.536	O-ring	1
0734.401.106	Rectangular ring	3
0730.003.504	Shim 35x70x1	1
0730.003.505	Shim 35x70x1.2	1
0730.108.157	Shim A = 1.400	1
0730.306.096	Shim A = 1.500	1
0730.150.759	Thrust washer	1
0750.119.100	Roller set	1
4644.303.529	Thrust washer	1
4644.308.265	Thrust washer	2
0730.150.773	Thrust washer	1
4644.308.266	Washer	1

K2/KR Clutch kit

4644.298.495

P/N	Description	Qty
0501.338.222	Profile sealing ring	2
0501.338.223	Profile sealing ring	2
4642.308.084	Guide ring	2
0730.513.434	Snap ring A = 2.30	1
0730.513.436	Snap ring A = 2.40	1
0730.513.181	Snap ring A = 2.50	1
0635.303.203	Needle sleeve	1
0635.303.205	Needle sleeve	1
0501.332.096	Outer clutch disc	20
0730.150.779	Thrust washer	1
0634.313.536	O-ring	1
0734.401.106	Rectangular ring	3
0730.003.504	Shim 35x70x1	1
0730.003.505	Shim 35x70x1.2	1
0730.108.157	Shim A = 1.400	1
0730.306.096	Shim A = 1.500	1
0730.150.759	Thrust washer	1
0750.119.100	Roller set	1
4644.303.529	Thrust washer	1
4644.308.265	Thrust washer	2
0730.150.773	Thrust washer	1
4644.308.266	Washer	1

K3/K4 Clutch kit

4644.298.496

P/N	Description	Qty
0501.338.223	Profile sealing ring	2
4642.308.084	Guide ring	2
0730.150.779	Thrust washer	1
0634.313.536	O-ring	1
0734.401.106	Rectangular ring	3
0730.003.504	Shim 35x70x1	1
0730.003.505	Shim 35x70x1.2	1
0730.108.157	Shim A = 1.400	1
0730.306.096	Shim A = 1.500	1
0730.150.759	Thrust washer	1
0501.332.095	Outer clutch disc	19
0501.338.224	Profile sealing ring	2
0750.115.182	Needle sleeve	1
0635.303.204	Needle sleeve	1
0730.513.419	Snap ring A = 2.30	1
0730.513.417	Snap ring A = 2.40	1
0730.513.180	Snap ring A = 2.50	1
0730.109.643	Washer	1
4644.303.534	Thrust washer	1
0730.150.777	Thrust washer	1

K1/KV Steel Disc kit

4644.298.497

P/N	Description	Qty
4644.308.330	Inner clutch disc	6
4644.308.329	Inner clutch disc	14

K2/KR Steel Disc kit

4644.298.497

P/N	Description	Qty
4644.308.330	Inner clutch disc	6
4644.308.329	Inner clutch disc	14

K3/K4 Steel Disc kit

4644.298.498

P/N	Description	Qty
4642.308.332	Inner clutch disc	10
4642.308.330	Inner clutch disc	7
4642.308.331	Inner clutch disc	4

Flex Plate kit

4644.298.499

P/N	Description	Qty
0636.102.411	Hexagon screw	4
0630.100.284	Washer	4
4644.330.239	Diaphragm	2

Brake kit

4644.298.503

P/N	Description	Qty
0501.224.618	Brake Block	2
0501.300.460	Tension Spring	2

Seal kit

4644.298.506

P/N	Description	Qty
0634.313.260	O-ring	1
0630.502.015	Retaining ring	1
0634.306.287	O-ring	1
0634.402.025	R-Ring	1
4644.301.265	Gasket	1
0630.501.024	Retaining ring	2
0734.300.845	Shaft seal	1
4644.301.262	Gasket	1
4644.302.211	Gasket	1
0734.317.252	Rectangular ring	1

Hose kit

4644.298.502

P/N	Description	Qty
0750.147.257	Hose Pipe	2
0750.147.117	Hose Pipe	2
0750.147.208	Hose Pipe	1
0750.147.036	Hose Pipe	1

Electrical kit

4644.298.504

P/N	Description	Qty
4644.206.035	Wiring harness	1
0501.313.375	Solenoid valve	5
0501.317.160	Inductive sensor	1

Seal kit

4644.298.506

P/N	Description	Qty
0750.131.027	Breather	1
0634.303.283	O-ring	1
4644.301.088	Sealing cap	1
0634.306.323	O-ring	1
4466.351.081	Sealing cap	2
0634.306.522	O-ring	1
0630.362.024	Sealing disc	1
0634.313.529	O-ring	1
0501.338.222	Profile sealing ring	4
0501.338.223	Profile sealing ring	6

Seal kit

4644.298.506

P/N	Description	Qty
0634.313.536	O-ring	3
0734.401.106	Rectangular ring	9
0501.338.224	Profile sealing ring	2
1269.302.164	Locking plate	2
0634.303.466	O-ring	2
0750.111.116	Shaft seal	2
0634.306.017	O-ring	1
0634.306.024	O-ring	1
4644.311.214	Gasket	1
0634.801.151	Sealing ring	4
4644.311.209	Gasket	1
0634.303.280	O-ring	3
4644.306.497	Gasket	1
4644.306.370	Gasket	1
4644.306.362	Gasket	1
4644.306.364	Gasket	1
0634.349.606	O-ring	1
0634.303.144	O-ring	1
0634.306.198	O-ring	2
4644.306.584	Gasket	1
0634.306.524	O-ring	3
0750.131.053	Filter	1
0634.303.283	O-ring	1
0634.801.155	Sealing ring	1
4642.301.106	Sealing cap	1
4642.331.216	Gasket	2
4642.331.216	Gasket	1
0634.801.074	Sealing ring	1
0634.306.523	O-ring	8
0634.306.202	O-ring	8
4644.321.244	Gasket	1

Seal kit

4644.298.506

P/N	Description	Qty
0634.306.523	O-ring	1
4642.331.216	Gasket	1
0634.303.283	O-ring	2

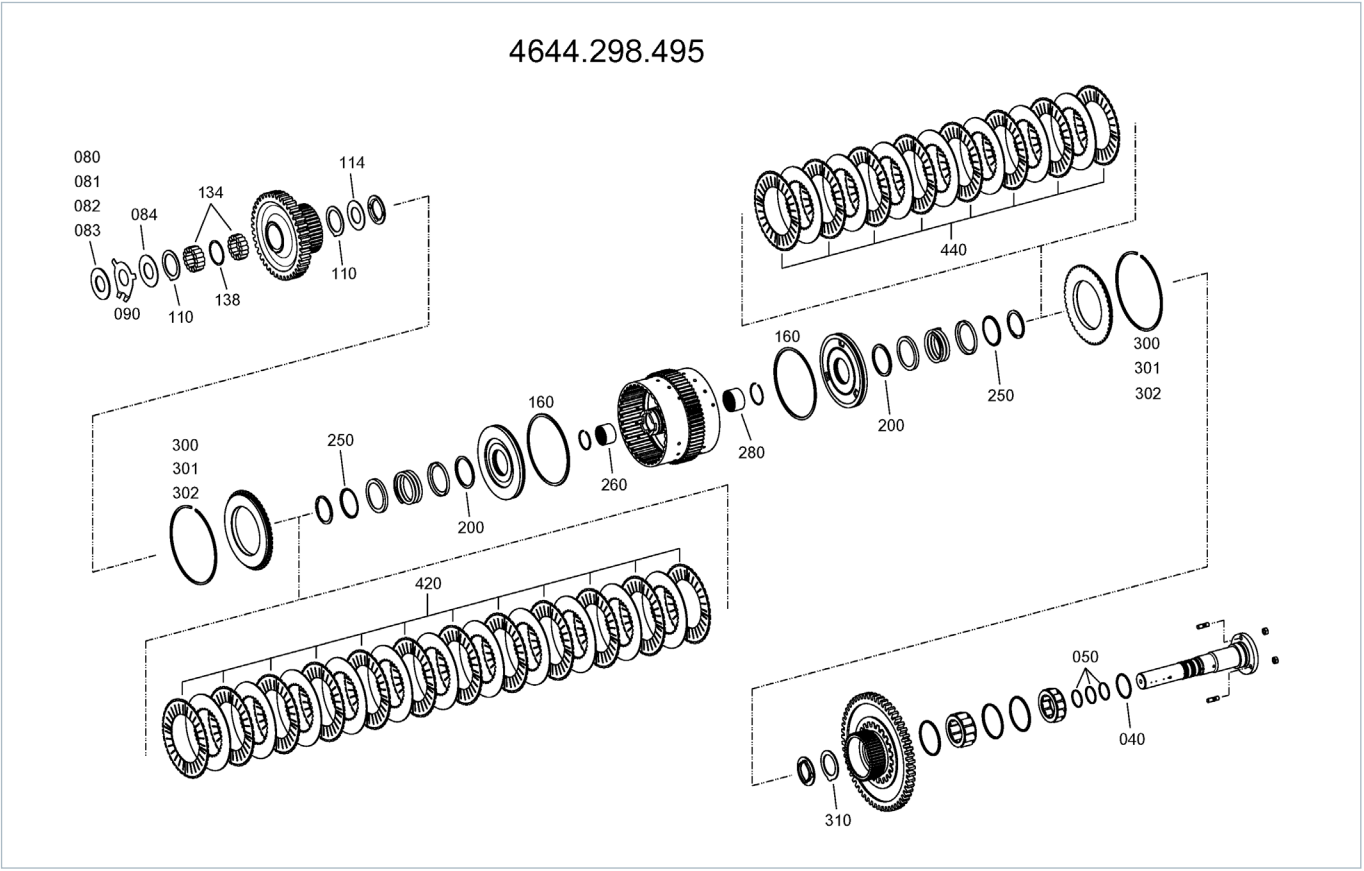
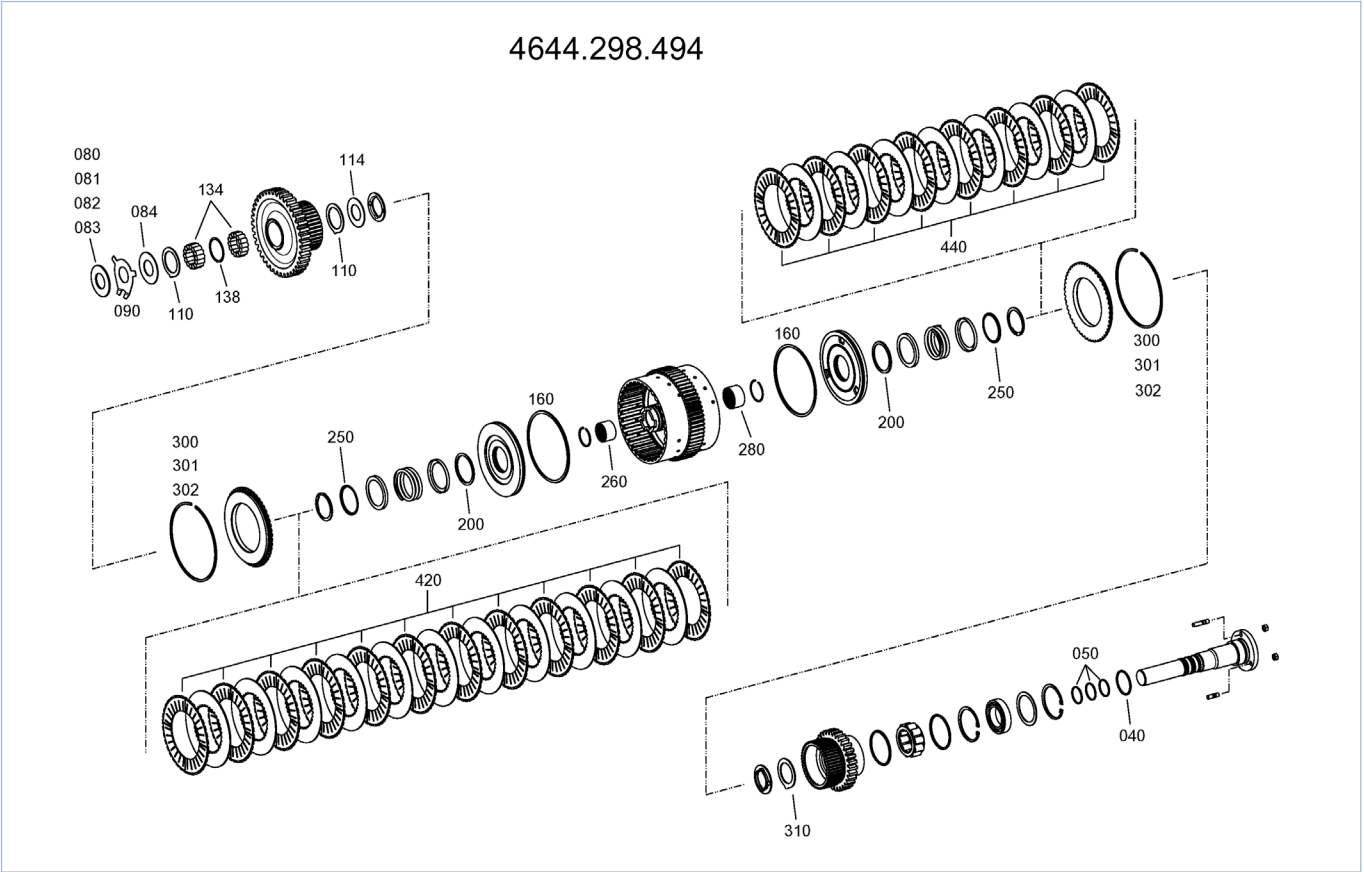
Bearing kit

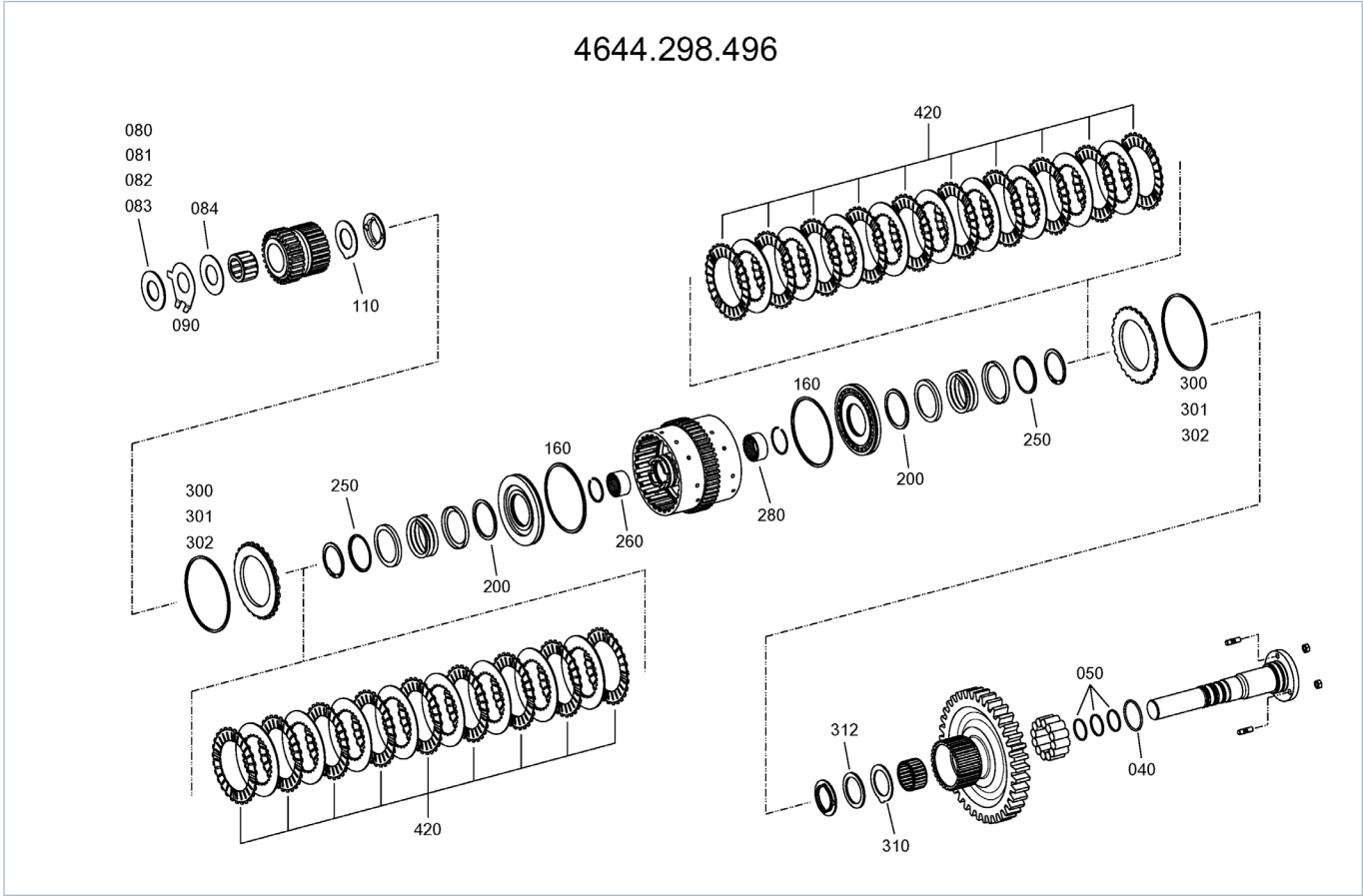
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P/N	Description	Qty
0750.116.968	Ball Bearing	2
0735.298.027	Needle Sleeve	1
0750.118.200	Cylinder Roller Bearing	1
0750.116.967	Ball Bearing	1
0750.119.101	Roller set	1
0750.116.966	Ball bearing	1
0750.119.974	Cylinder Roller Bearing	1
4607.302.014	Shim S = 0.6	1
4607.302.012	Shim S = 0.8	1
4607.302.010	Shim S = 1.0	1
0730.001.597	Shim S = 0.4	1
0730.001.595	Shim S = 0.6	1
0730.001.593	Shim S = 0.8	1
1204.308.123	Shim A = 1.00	2
0730.002.660	Shim A = 1.20	1
0730.002.657	Shim A = 1.50	1
0730.002.660	Shim A = 1.20	1
0730.002.657	Shim A = 1.50	1

Clutch kit

P/N	Description	(K1/KV) 4644298494		(K2/KR) 4644298495		(K3/K4) 4644298496	
		Position	Qty	Position	Qty	Position	Qty
0501.338.124	Outer clutch disk	440	8				
0501.338.222	Profile sealing ring	160	2	160	2		
0501.338.223	Profile sealing ring	200	2	200	2	200	2
4642.308.084	Guide ring	250	2	250	2	250	2
0730.513.434	Snap ring A = 2.30	300	1	300	1		
0730.513.436	Snap ring A = 2.40	301	1	301	1		
0730.513.181	Snap ring A = 2.50	302	1	302	1		
0635.303.203	Needle sleeve	260	1	260	1		
0635.303.205	Needle sleeve	280	1	280	1		
0501.332.096	Outer clutch disk	420	12	420/440	20		
0730.150.779	Thrust washer	310	1	310	1	310	1
0634.313.536	O-ring	040	1	040	1	040	1
0734.401.106	Rectangular ring	050	3	050	3	050	3
0730.003.504	Shim 35x70x1	080	1	080	1	080	1
0730.003.505	Shim 35x70x1.2	081	1	081	1	081	1
0730.108.157	Shim A = 1.400	082	1	082	1	082	1
0730.306.096	Shim A = 1.500	083	1	083	1	083	1
0730.150.759	Thrust washer	084	1	084	1	084	1
0750.119.100	Roller set	134	1	134	1		
4644.303.529	Thrust washer	090	1	090	1		
4644.308.265	Thrust washer	110	2	110	2		
0730.150.773	Thrust washer	114	1	114	1		
4644.308.266	Washer	138	1	138	1		
0501.332.095	Outer clutch disk					420	19
0501.338.224	Profile sealing ring					160	2
0750.115.182	Needle sleeve					260	1
0635.303.204	Needle sleeve					280	1
0730.513.419	Snap ring A = 2.30					300	1
0730.513.417	Snap ring A = 2.40					301	1
0730.513.180	Snap ring A = 2.50					302	1
0730.109.643	Washer					312	1
4644.303.534	Thrust washer					90	1
0730.150.777	Thrust washer					110	1

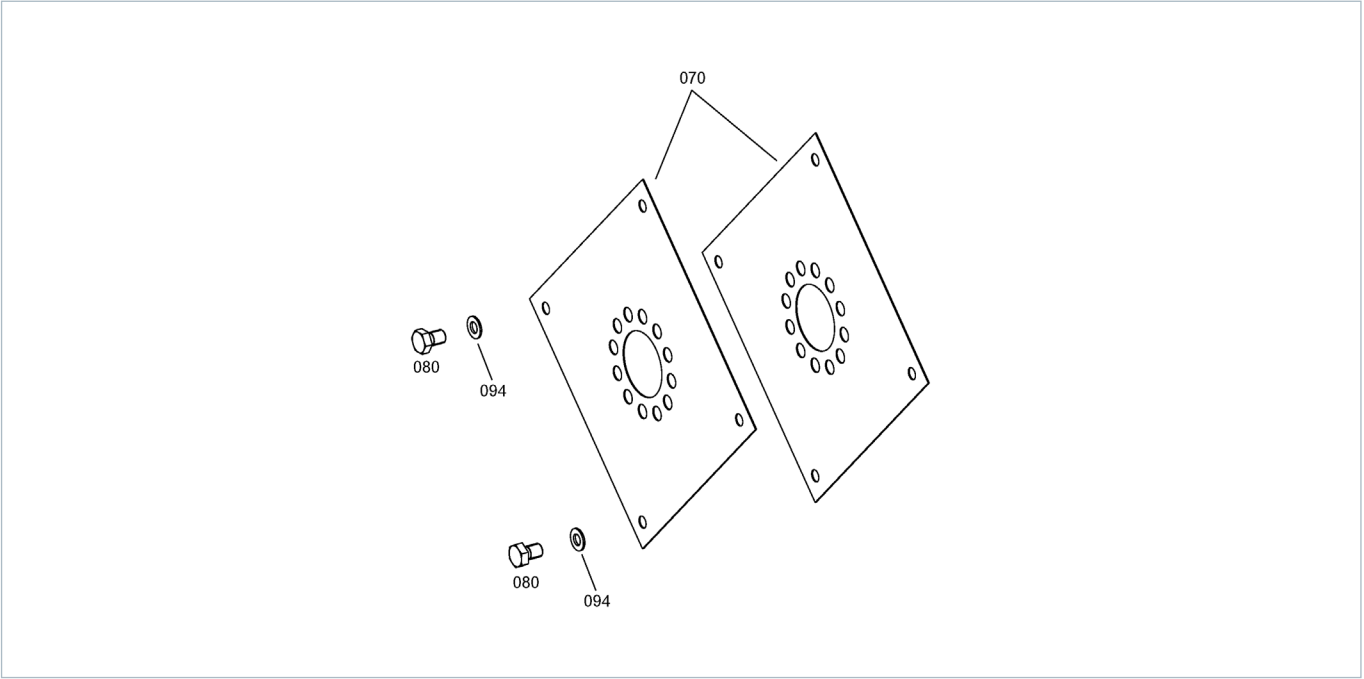




Flex plate kit

4644.298.499

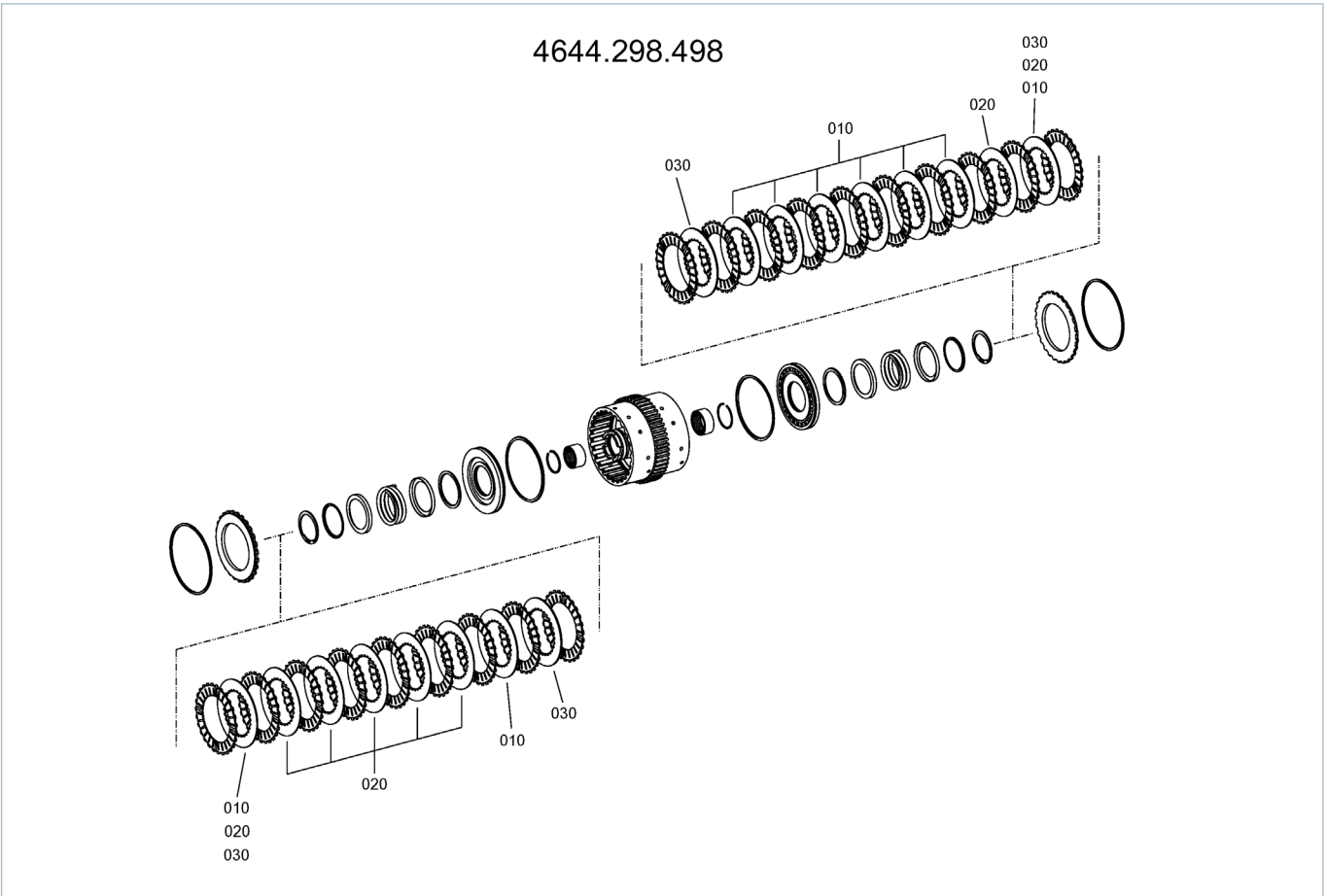
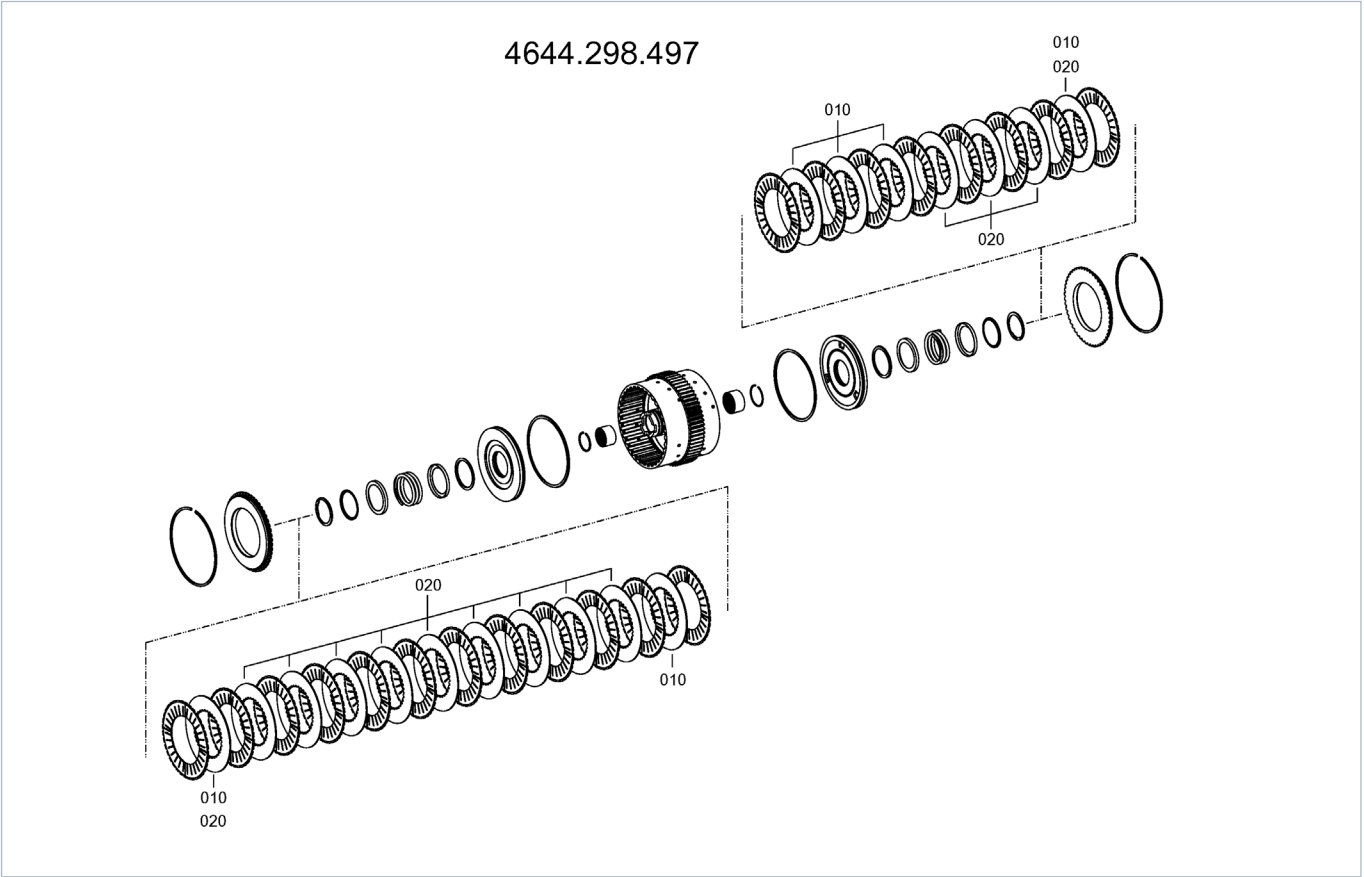
P/N	Description	Position	Qty
0636.102.411	Hexagon screw	080	4
0630.100.284	Washer	094	4
4644.330.239	Diaphragm	070	2



Steel disc kit

4644.298.497-K1/KV • 4644.298.497-K2/KR • 4644.298.498-K3/K4

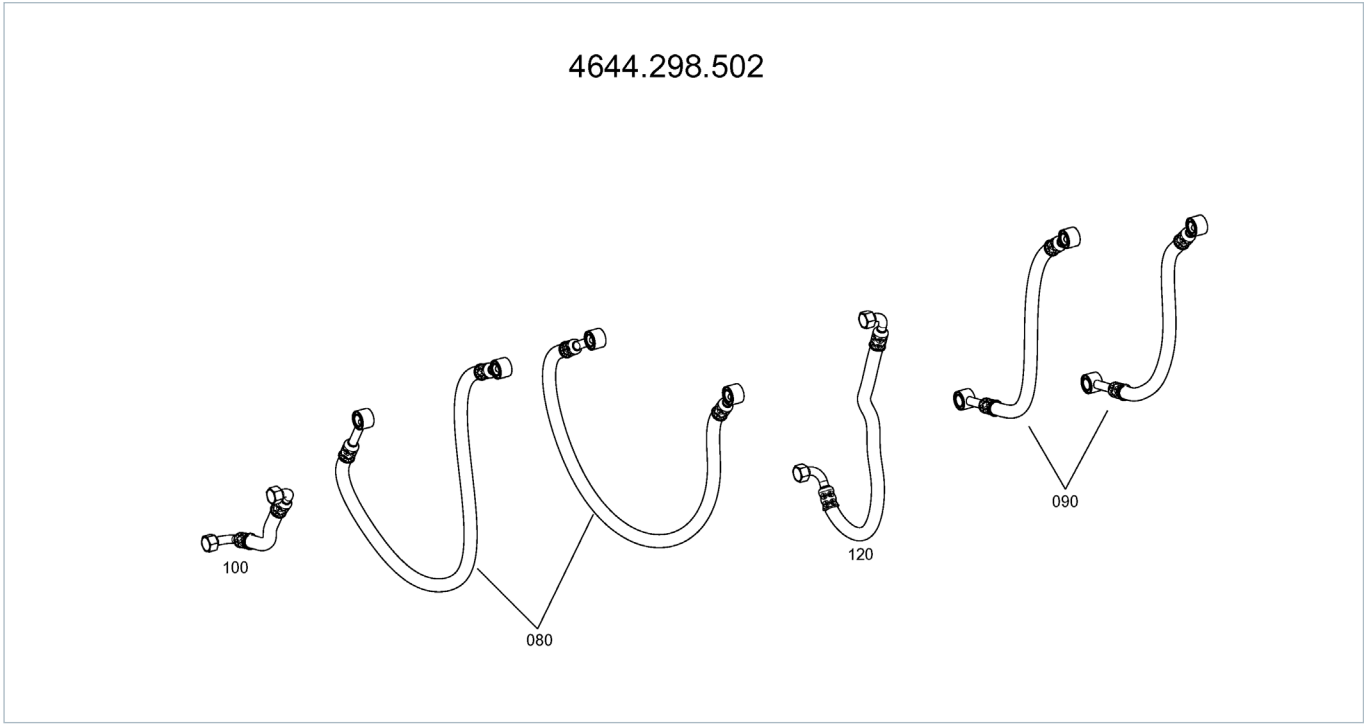
P/N	Description	(K1/KV)		(K2/KR)		(K3/K4)	
		Position	Qty	Position	Qty	Position	Qty
4644.308.330	Inner clutch disc	010	6	010	6		
4644.308.329	Inner clutch disc	020	14	020	14		
4642.308.332	Inner clutch disc					030	10
4642.308.330	Inner clutch disc					010	7
4642.308.331	Inner clutch disc					030	4



Hose kit

4644.298.502

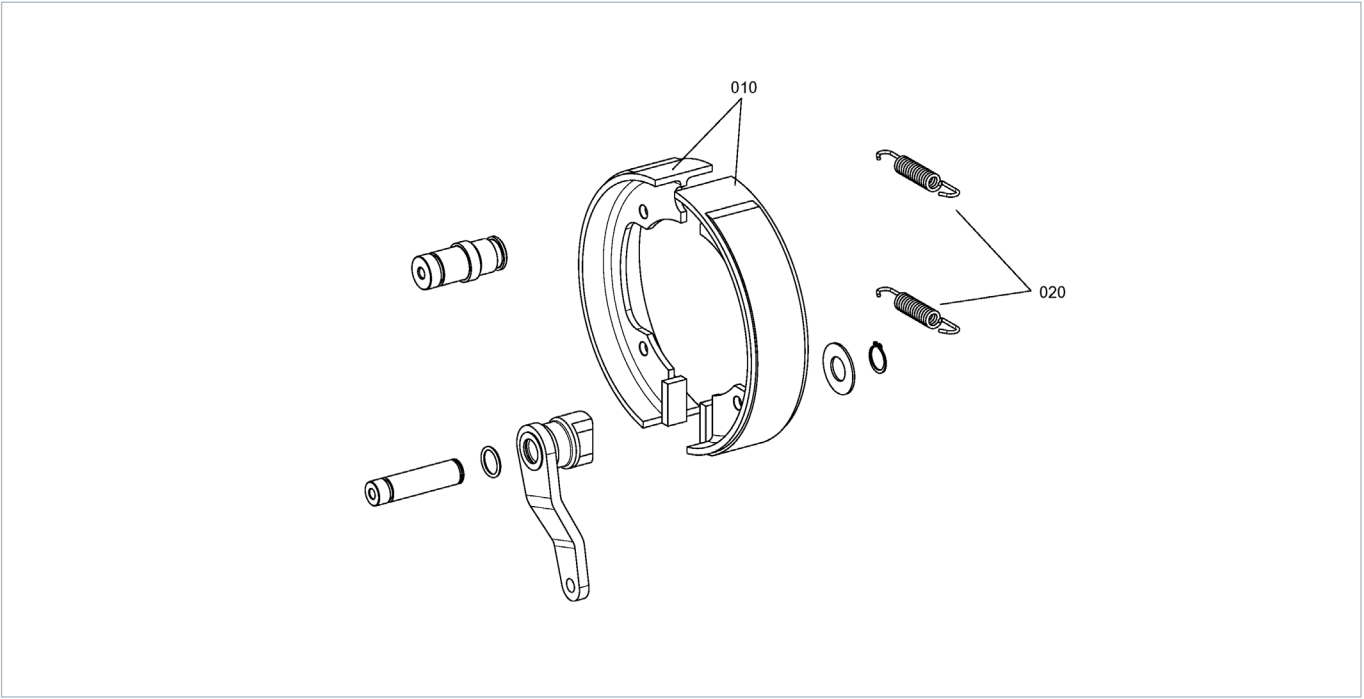
P/N	Description	Position	Qty
0750.147.257	Hose Pipe	090	2
0750.147.117	Hose Pipe	080	2
0750.147.208	Hose Pipe	100	1
0750.147.036	Hose Pipe	120	1



Brake kit

4644.298.503

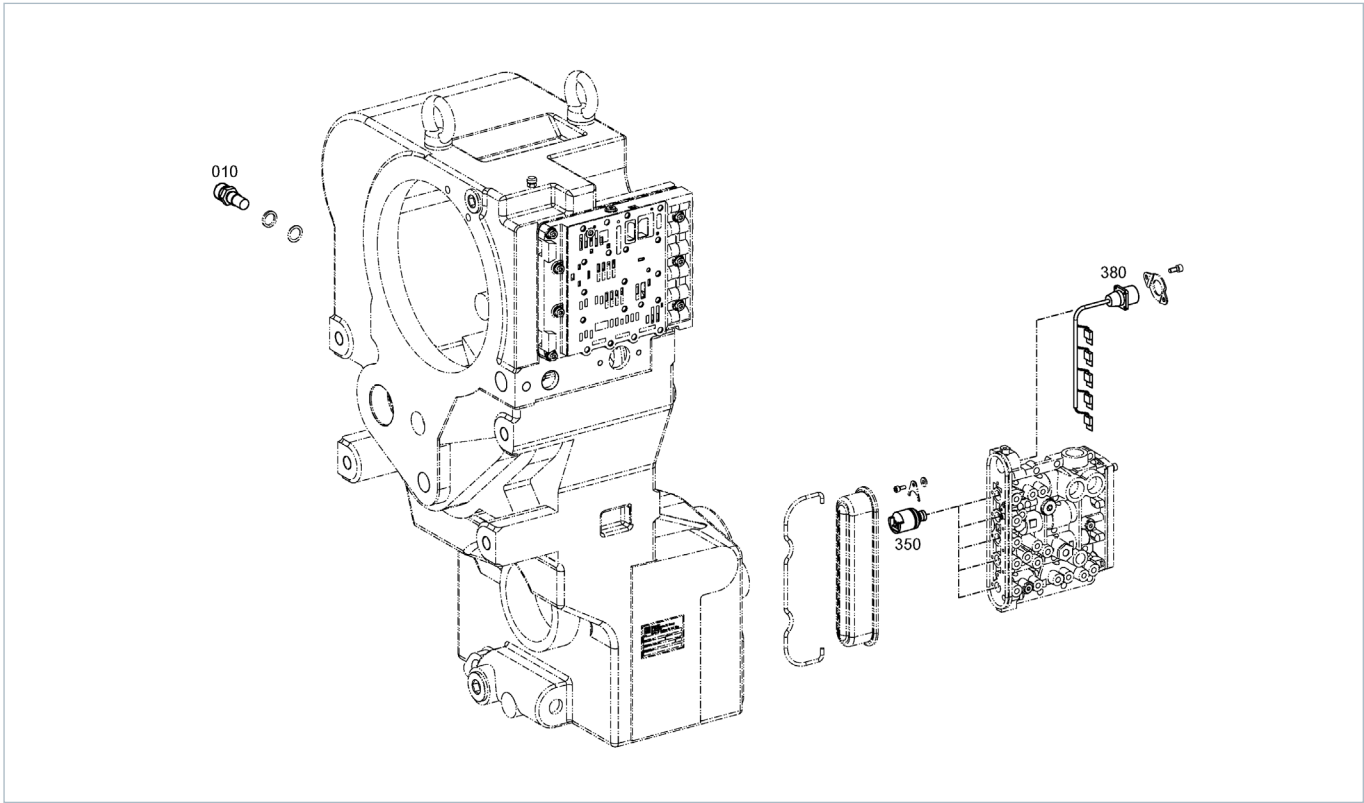
P/N	Description	Position	Qty
0501.224.618	Brake Block	010	2
0501.300.460	Tension Spring	020	2



Electrical kit

4644.298.504

P/N	Description	Position	Qty
4644.206.035	Wiring harness	380	1
0501.313.375	Solenoid valve	350	5
0501.317.160	Inductive sensor	10	1



Seal kit

44644.298.506

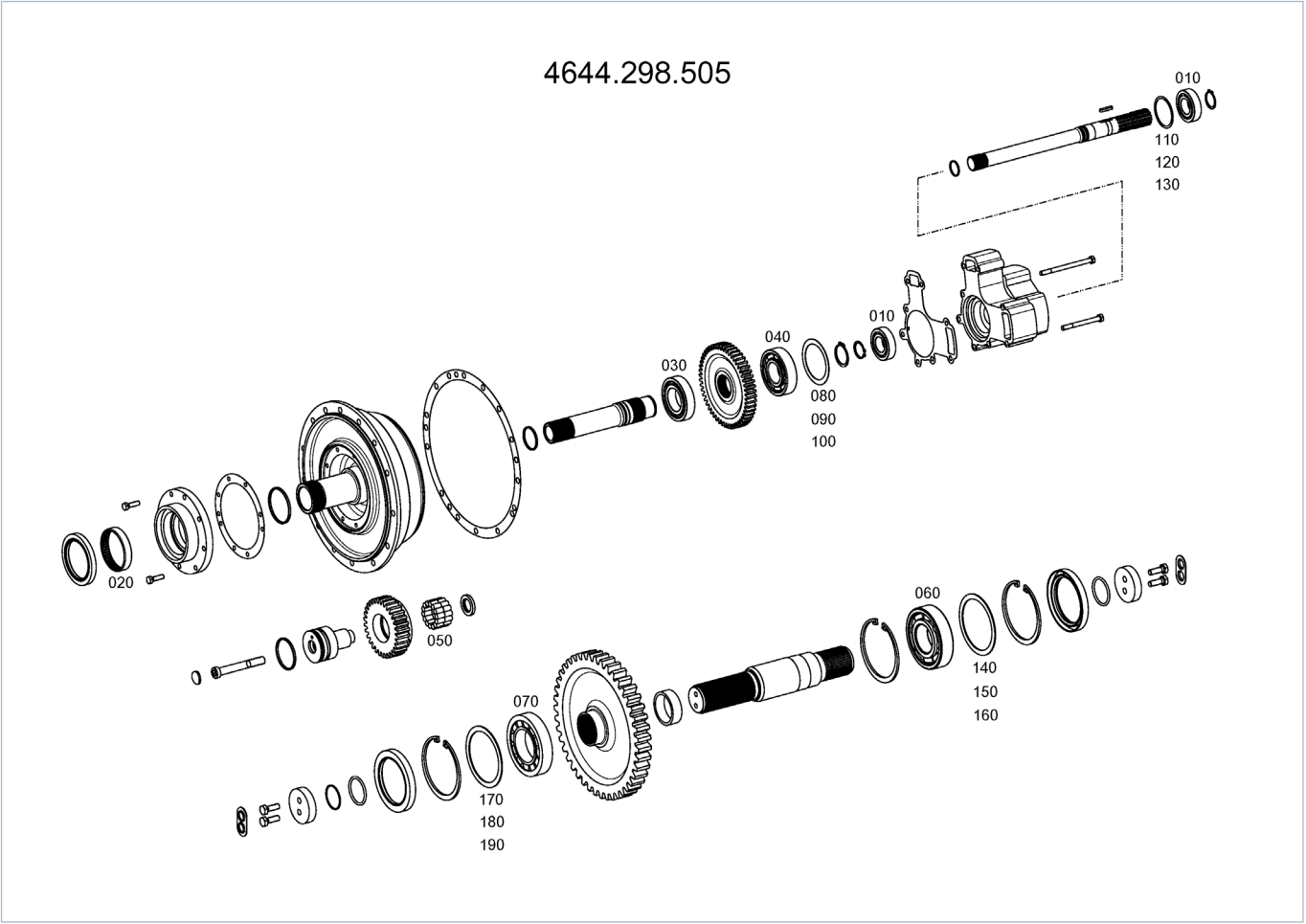
P/N	Description	Qty
0634.313.260	O-ring	1
0630.502.015	Retaining ring	1
0634.306.287	O-ring	1
0634.402.025	R-Ring	1
4644.301.265	Gasket	1
0630.501.024	Retaining ring	2
0734.300.845	Shaft seal	1
4644.301.262	Gasket	1
4644.302.211	Gasket	1
0734.317.252	Rectangular ring	1
0750.131.027	Breather	1
0634.303.283	O-ring	2
4644.301.088	Sealing cap	1
0634.306.323	O-ring	1
4466.351.081	Sealing cap	2
0634.306.522	O-ring	1
0630.362.024	Sealing disc	1
0634.313.529	O-ring	1
0501.338.222	Profile sealing ring	4
0501.338.223	Profile sealing ring	6
0634.313.536	O-ring	3
0734.401.106	Rectangular ring	9
0501.338.224	Profile sealing ring	2
1269.302.164	Locking plate	2
0634.303.466	O-ring	2
0750.111.116	Shaft seal	2
0634.306.017	O-ring	1
0634.306.024	O-ring	1
4644.311.214	Gasket	1
0634.801.151	Sealing ring	4
4644.311.209	Gasket	1
0634.303.280	O-ring	3

P/N	Description	Qty
4644.306.497	Gasket	1
4644.306.370	Gasket	1
4644.306.362	Gasket	1
4644.306.364	Gasket	1
0634.349.606	O-ring	1
0634.303.144	O-ring	1
0634.306.198	O-ring	2
4644.306.584	Gasket	1
0634.306.524	O-ring	3
0750.131.053	Filter	1
0634.801.155	Sealing ring	1
4642.301.106	Sealing cap	1
4642.331.216	Gasket	4
0634.801.074	Sealing ring	1
0634.306.523	O-ring	9
0634.306.202	O-ring	8
4644.321.244	Gasket	1
0634.303.283	O-ring	2

Bearing kit

4644.298.505

P/N	Description	Position	Qty
0750.116.968	Ball Bearing	010	2
0735.298.027	Needle Sleeve	020	1
0750.118.200	Cylinder Roller Bearing	030	1
0750.116.967	Ball Bearing	040	1
0750.119.101	Roller set	050	1
0750.116.966	Ball bearing	060	1
0750.119.974	Cylinder Roller Bearing	070	1
4607.302.014	Shim S = 0.6	080	1
4607.302.012	Shim S = 0.8	090	1
4607.302.010	Shim S = 1.0	100	1
0730.001.597	Shim S = 0.4	110	1
0730.001.595	Shim S = 0.6	120	1
0730.001.593	Shim S = 0.8	130	1
1204.308.123	Shim A = 1.00	140	1
0730.002.660	Shim A = 1.20	150	1
0730.002.657	Shim A = 1.50	160	1
1204.308.123	Shim A = 1.00	170	1
0730.002.660	Shim A = 1.20	180	1
0730.002.657	Shim A = 1.50	190	1



ZF Group

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