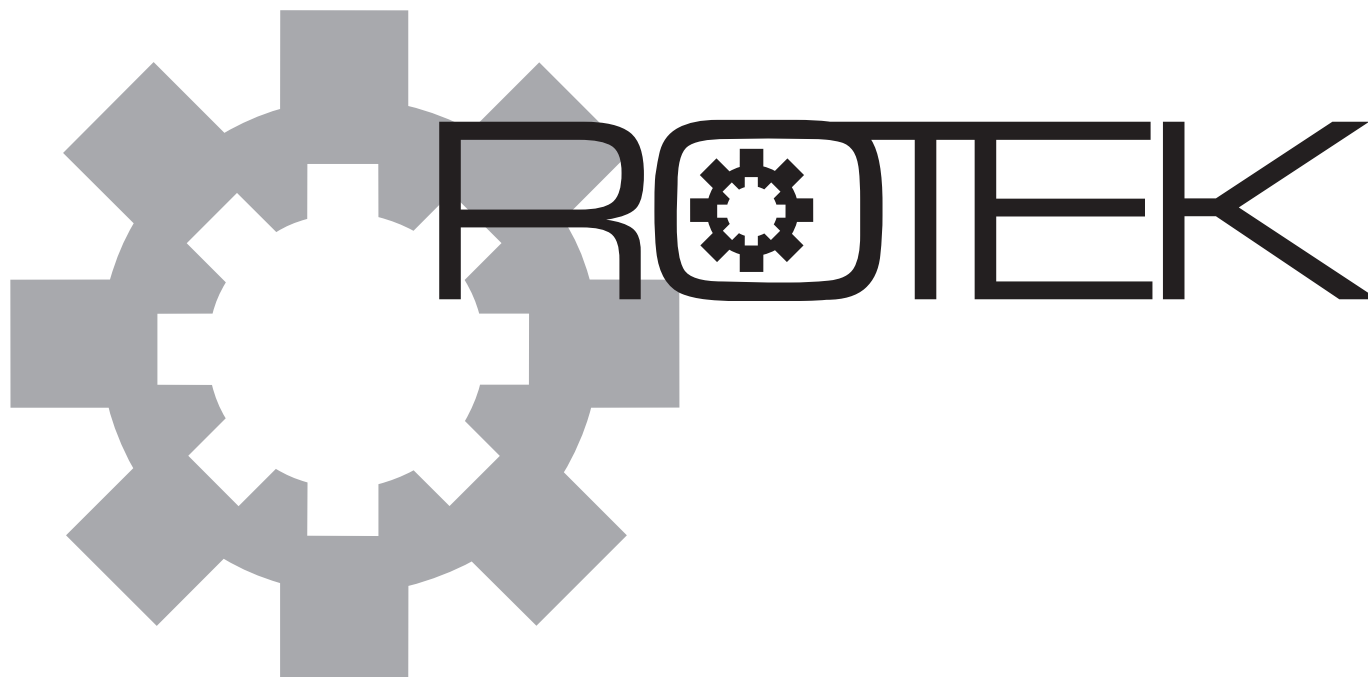




Mehrzylinder Dieselmotor YND490DE

Wassergekühlte, Direkteinspritzende 4-Zylinder Reihen-Dieselmotoren

Explosionszeichnungen Ersatzteilverzeichnis

DE Y1811 Stand Juni 2019

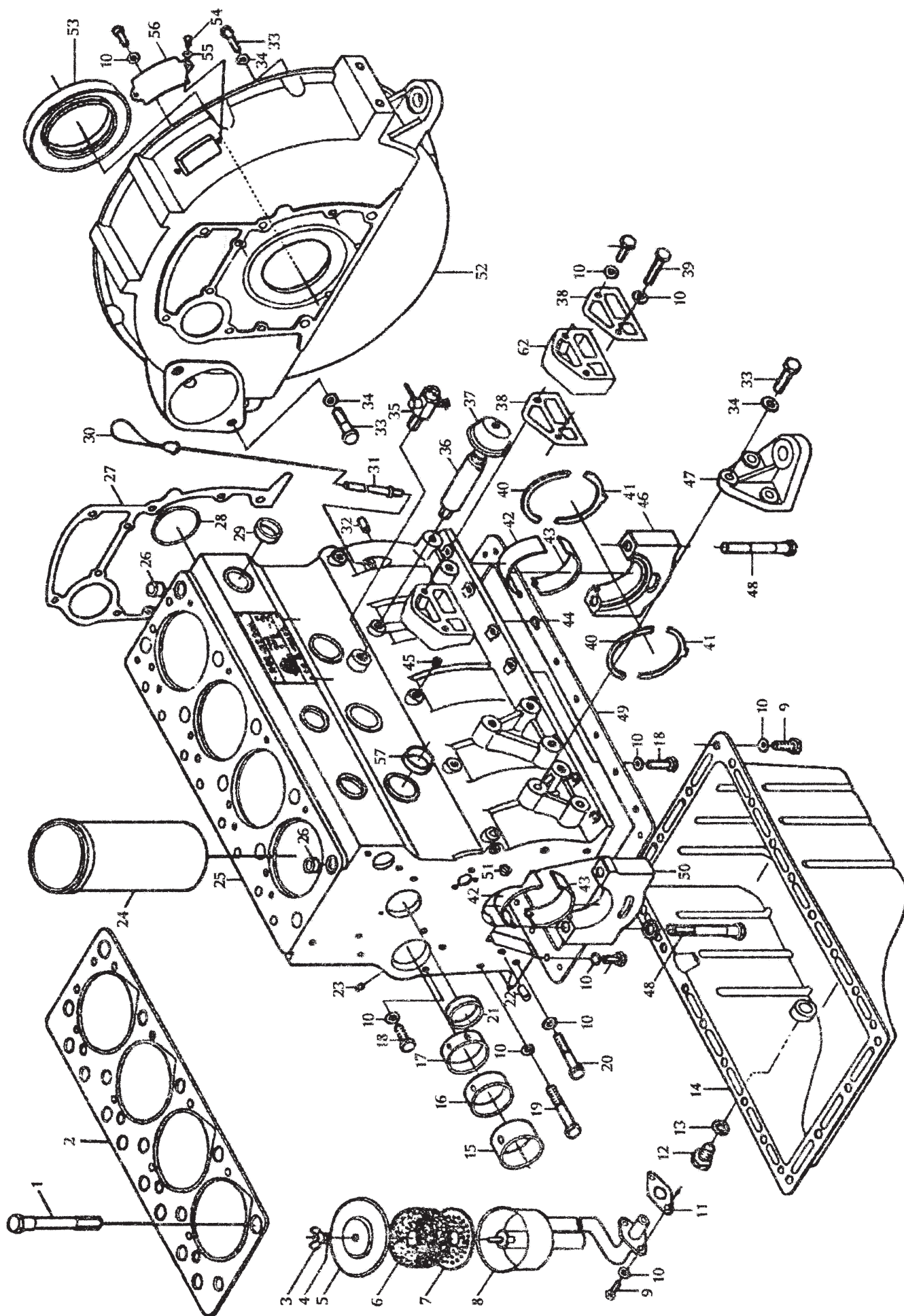
Gültig für:

Kurzbezeichnung	Modell	Art.Nr.
YND490DE	ED4W4R-2417-15U	-

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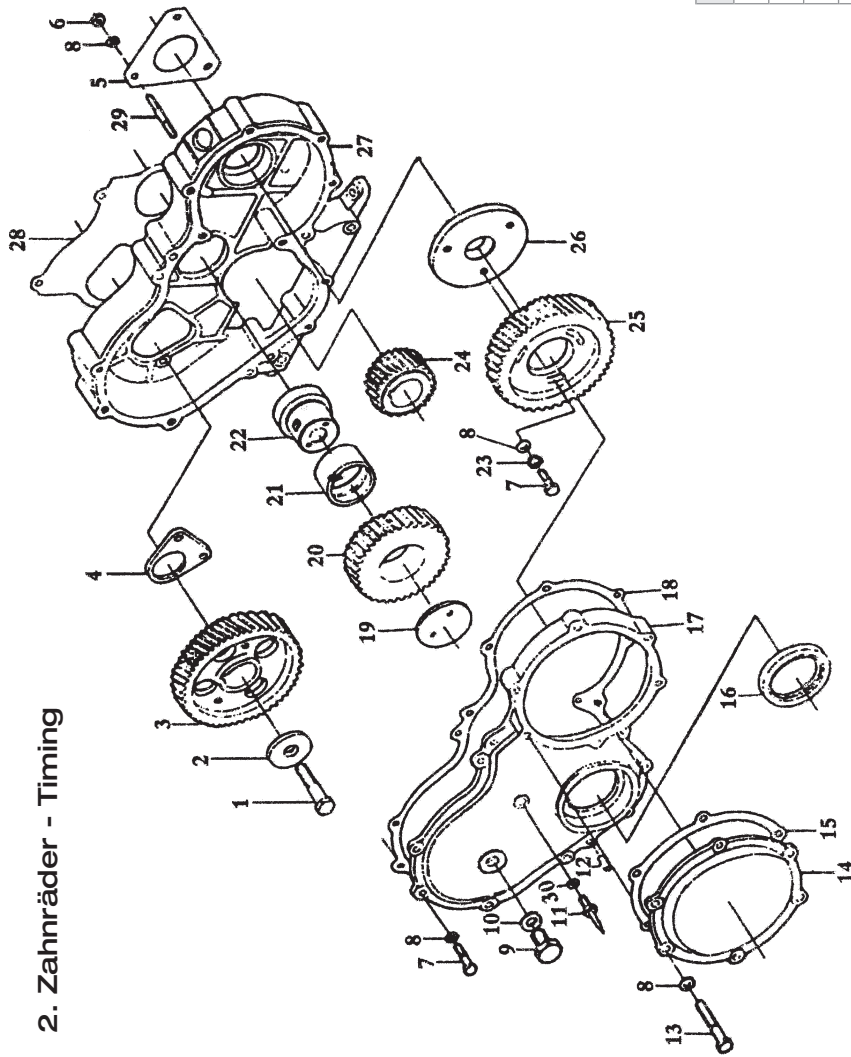
1. Kurbelgehäuse



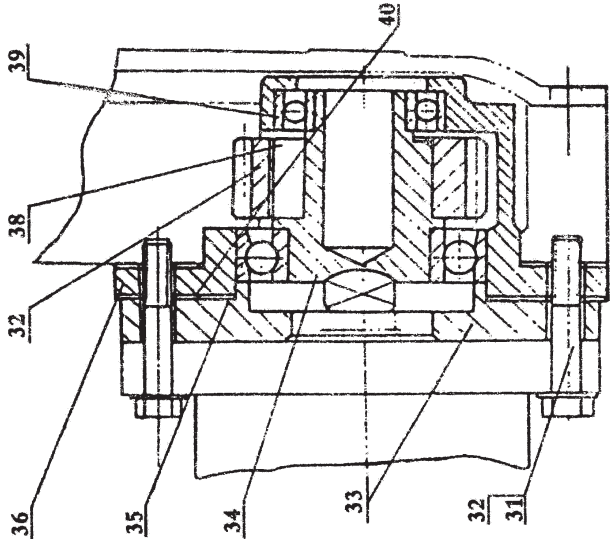
Nr.	Parts Nr.	Description	Qty
1	YND495DE-01001	Cylinder head bolt	10
2	YND495DE-01002	Cylinder head gasket	1
3	YND495DE-01003	Butterfly nut M6	1
4	YND495DE-01004	Washer 6-140HV	1
5	YND495DE-01005	Respirator cover	1
6	YND495DE-01006	Filter gauze	1
7	YND495DE-01007	Respirator partition	1
8	YND495DE-01008	Respirator weldment	1
9	YND495DE-01009	Bolt M8x16	1
10	YND495DE-01010	Washer 8-140HV	48
11	YND495DE-01011	Respirator gasket	1
12	YND495DE-01012	Oil drain plug	1
13	YND495DE-01013	Washer	1
14	YND495DE-01014	Oil sump	1
15	YND495DE-01015	Front camshaft bush	1
16	YND495DE-01016	Middle camshaft bush	1
17	YND495DE-01017	Rear camshaft bush	1
18	YND495DE-01018	Bolt M8x20	7
19	YND495DE-01019	Bolt M8x65	5
20	YND495DE-01020	Bolt M8x55	2
21	YND495DE-01021	Bowl-shaped plug piece D50	2
22	YND495DE-01022	Pin B8x20	1
23	YND495DE-01023	Timing gear case gasket	1
24	YND495DE-01024	Bolt M8x25	3
25	YND495DE-01025	Washer of water pump back cover	1
26	YND495DE-01026	Sleeve (first)	1
27	YND495DE-01027	Cylinder sleeve	4
28	YND495DE-01028	Engine body	1
29	YND495DE-01029	Sleeve (second)	1
30	YND495DE-01030	Strengthen plate of oil sump	2
31	YND495DE-01031	Locating sleeve	2
32	YND495DE-01032	Flywheel housing gasket	1
33	YND495DE-01033	Plug piece	1
34	YND495DE-01034	Bowl-shaped plug piece D25	4
35	YND495DE-01035	Oil level dipstick	1
36	YND495DE-01036	Dipstick sleeve weldment	1
37	YND495DE-01037	Pin B10x20	2

Nr.	Parts Nr.	Description	Qty
38	YND495DE-01038	Bolt M10x30	14
39	YND495DE-01039	Washer 10-140HV	14
40	YND495DE-01040	Water drain cock	1
41	YND495DE-01041	Bolt M8x30	26
42	YND495DE-01042	Sensor for oil gauge	1
43	YND495DE-01043	Oil filter gasket	1
44	YND495DE-01044	Bolt M8x50	1
45	YND495DE-01045	Upper thrust piece of crankshaft	2
46	YND495DE-01046	Lower thrust piece of crankshaft	2
47	YND495DE-01047	Main bearing halfshell (upper)	5
48	YND495DE-01048	Main bearing halfshell (lower)	5
49	YND495DE-01049	Bowl-shaped plug piece D22	1
50	YND495DE-01050	Stopper (II)	4
51	YND495DE-01051	Rear main bearing cap	1
52	YND495DE-01052	Stand bar	2
53	YND495DE-01053	Bolt M8x70	1
54	YND495DE-01054	Main bearing cap bolt	10
55	YND495DE-01055	Oil sump gasket	1
56	YND495DE-01056	Main bearing cap	4
57	YND495DE-01057	Stopper (I)	4
58	YND495DE-01058	Flywheel housing	1
59	YND495DE-01059	Cased rubber oil seal	1
60	YND495DE-01060	Screw M6x12	2
61	YND495DE-01061	Washer 6-140HV	2
62	YND495DE-01062	Cover plate	1
63	YND495DE-01063	Bolt M8x95	2
64	YND495DE-01064	Washer 8	48
65	YND495DE-01065	Bowl-shaped plug piece D32	8
66	YND495DE-01066	Bolt M8x30	1
67	YND495DE-01067	Washer 10	14
68	YND495DE-01068	Washer 6	2
69	YND495DE-01069	O-ring seal 17.0x1.8G	1
70	YND495DE-01070	O-ring seal 15.0x1.8G	1

2. Zahnräder - Timing

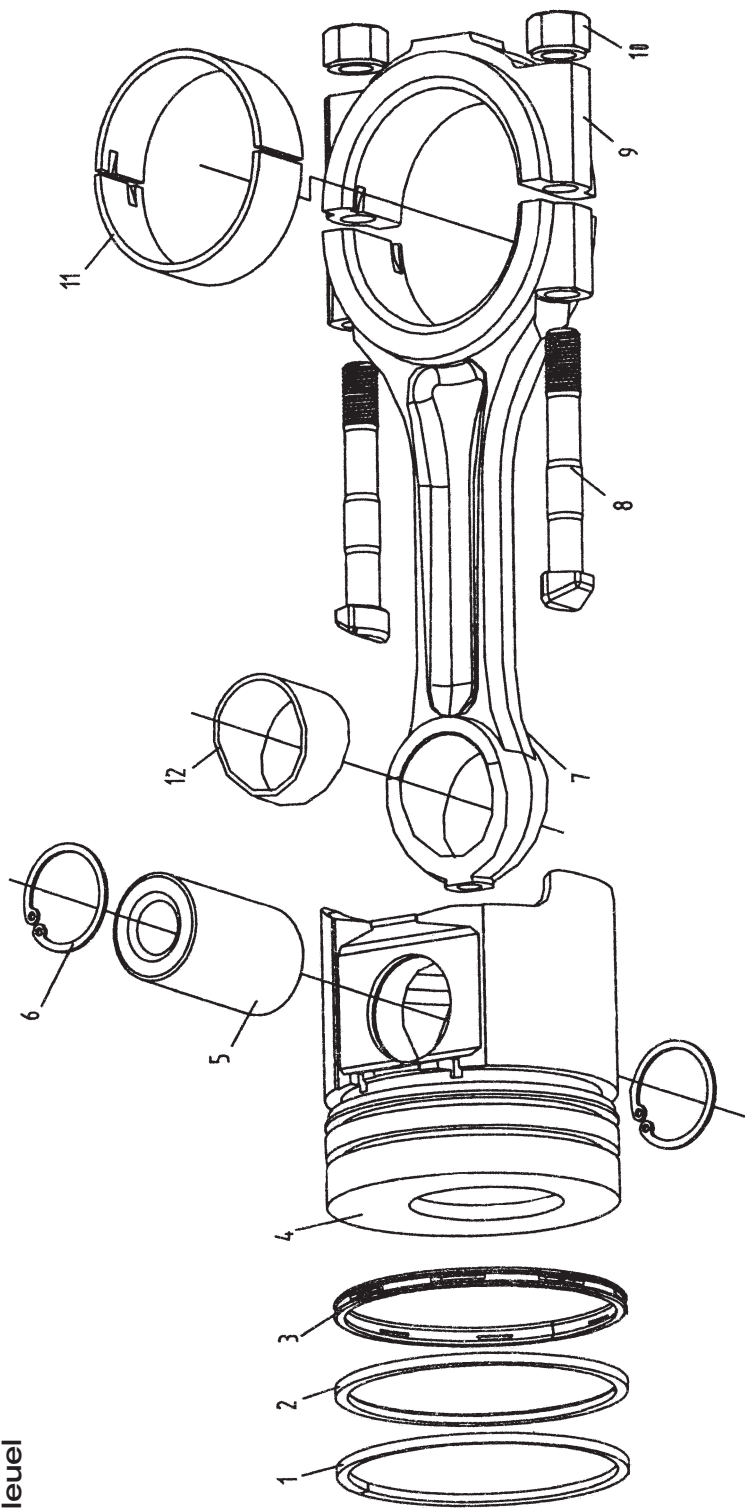


Nr.	Parts Nr.	Description	Qty
1	YND495DE-02001	Bolt M12x30	1
2	YND495DE-02002	Camshaft timing gear holddown	1
3	YND495DE-02003	Camshaft timing gear	1
4	YND495DE-02004	Camshaft thrust plate	1
5	YND495DE-02005	Fuel injection pump gasket	1
6	YND495DE-02006	Nut M8	3
7	YND495DE-02007	Bolt M8x20	4
8	YND495DE-02008	Washer 8-140HV	15
9	YND495DE-02009	Stopper	1
10	YND495DE-02010	Washer	1
11	YND495DE-02011	Pointer	1
12	YND495DE-02012	Pin B8x20	2
13	YND495DE-02013	Bolt M8x35	5
14	YND495DE-02014	Front cover	1

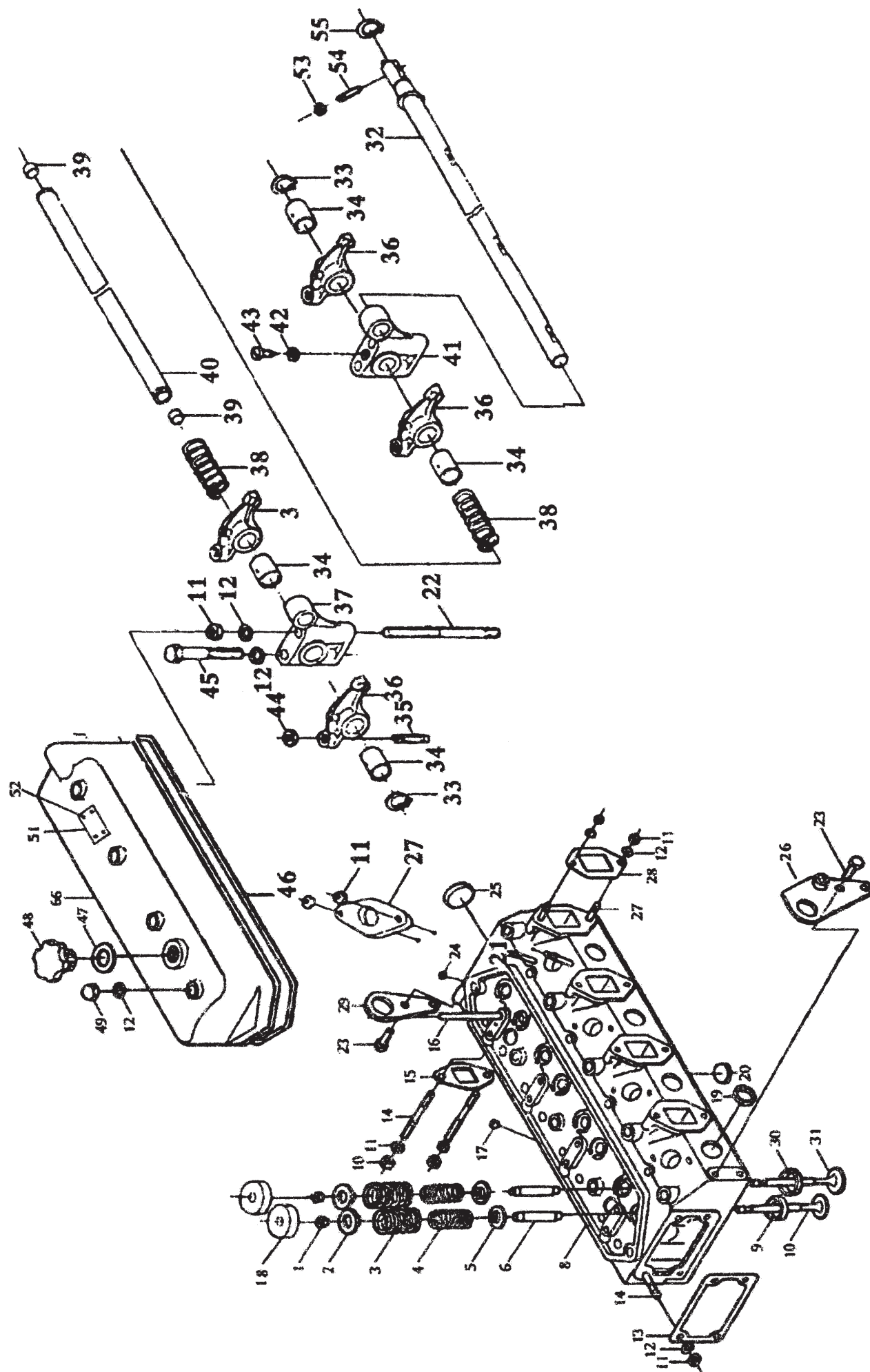


Nr.	Parts Nr.	Description	Qty
15	YND495DE-02015	Front cover gasket	1
16	YND495DE-02016	Oil seal PG55x75x12 or SG55x75x12	1
17	YND495DE-02017	Timing gear case cover	1
18	YND495DE-02018	Timing gear case cover gasket	1
19	YND495DE-02019	Idle gear holddown	1
20	YND495DE-02020	Timing idle gear	1
21	YND495DE-02021	Timing idle gear bush	1
22	YND495DE-02022	Timing idle gear shaft	1
23	YND495DE-02023	Washer 8	14
24	YND495DE-02024	Crankshaft timing gear	1
25	YND495DE-02025	Fuel injection pump timing gear	1
26	YND495DE-02026	Drive gear of oil pump	1
27	YND495DE-02027	Timing gear case	1
28	YND495DE-02028	QWNP advancer part	1
29	YND495DE-02029	Stud M8x30-8.8	3
30	YND495DE-02030	Washer 6	6
31	YND495DE-02031	Bolt M6x16	6
32	YND495DE-02032	Bolt M8x16	1
33	YND495DE-02033	Bolt M8x95	1

3. Kolben - Pleuel



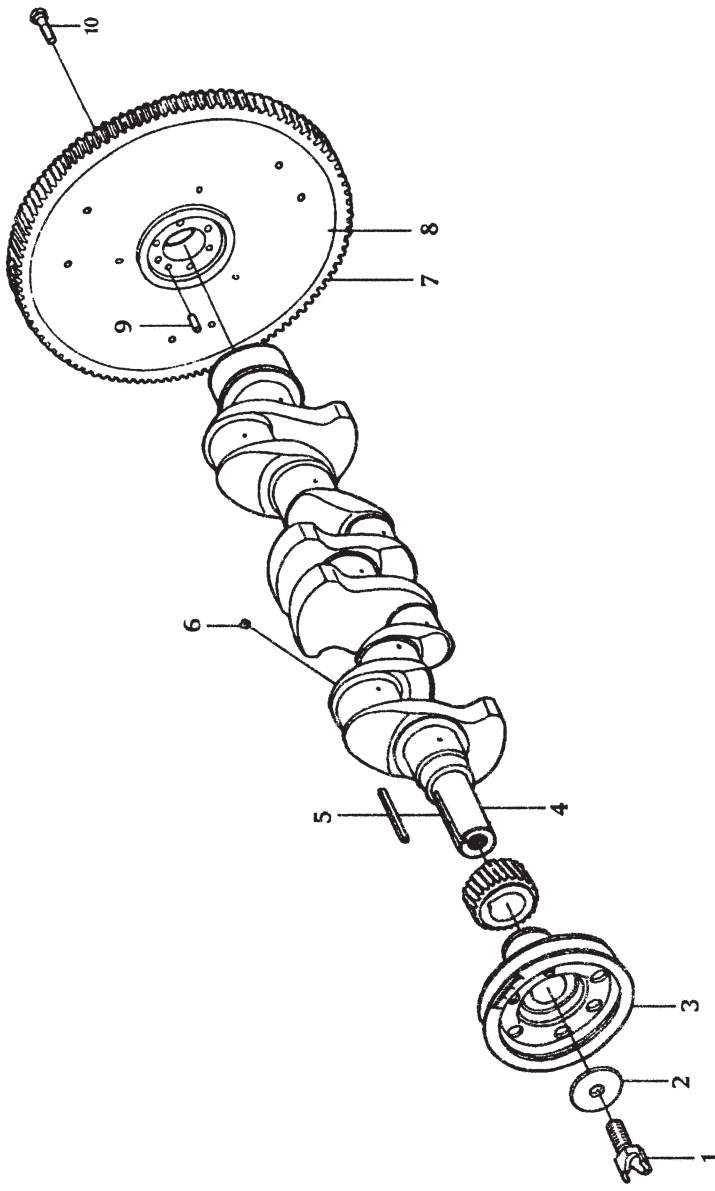
Nr.	Parts Nr.	Description	Qty
1	YND495DE-04001	Top compression ring	4
2	YND495DE-04002	2nd compression ring	4
3	YND495DE-04003	Oil ring unit	4
4	YND495DE-04004	Piston	4
5	YND495DE-04005	Piston pin	4
6	YND495DE-04006	Circlip for hole 28	8
7	YND495DE-04007	Connecting rod	4
8	YND495DE-04008	Connecting rod bolt	8
9	YND495DE-04009	Connecting rod cap	4
10	YND495DE-04010	Connecting rod nut	8
11	YND495DE-04011	Connecting rod bearing shell (upper+lower)	4
12	YND495DE-04012	Connecting rod bush	4



Nr.	Parts Nr.	Description	Qty
1	YND495DE-03001	Nut	8
2	YND495DE-03002	Valve collets	16
3	YND495DE-03003	Valve spring seat (upper)	8
4	YND495DE-03004	Valve spring (outer)	8
5	YND495DE-03005	Valve spring (inner)	8
6	YND495DE-03006	Valve spring seat (lower)	8
7	YND495DE-03007	Valve stem guide	8
8	YND495DE-03008	Cylinder head	1
9	YND495DE-03009	Exhaust valve seat	4
10	YND495DE-03010	Exhaust valve	4
11	YND495DE-03011	Nut M8	12
12	YND495DE-03012	Washer 8-140HV	32
13	YND495DE-03013	Thermostat housing gasket	1
14	YND495DE-03014	Stud M8x30	8
15	YND495DE-03015	Exhaust pipe gasket	4
16	YND495DE-03016	Rocker arm seat fixed bolt	4
17	YND495DE-03017	Bowl-shaped plug piece D10	4
18	YND495DE-03018	Bowl-shaped plug piece D25	4
19	YND495DE-03019	Bowl-shaped plug piece D20	3
20	YND495DE-03020	Bolt M8x25	8
21	YND495DE-03021	Rivet 2x5	4
22	YND495DE-03022	Front hoisting ring weldment	1
23	YND495DE-03023	Bolt M8x20	8
24	YND495DE-03024	Stopper	1
25	YND495DE-03025	Bowl-shaped plug piece D44	1
26	YND495DE-03026	Washer 8	40
27	YND495DE-03027	Stud	8
28	YND495DE-03028	Intake pipe gasket	4
29	YND495DE-03029	Rear hoisting ring	1
30	YND495DE-03030	Intake valve seat	4
31	YND495DE-03031	Intake valve	4
32	YND495DE-03032	Check ring 19	2
33	YND495DE-03033	Rocker arm bush	8
34	YND495DE-03034	Valve clearance adjusting screw	8
35	YND495DE-03035	Valve rocker arm	8
36	YND495DE-03036	Rockshaft carrier	3
37	YND495DE-03037	Rockshaft spring	3
38	YND495DE-03038	Stopper (I) D12	2

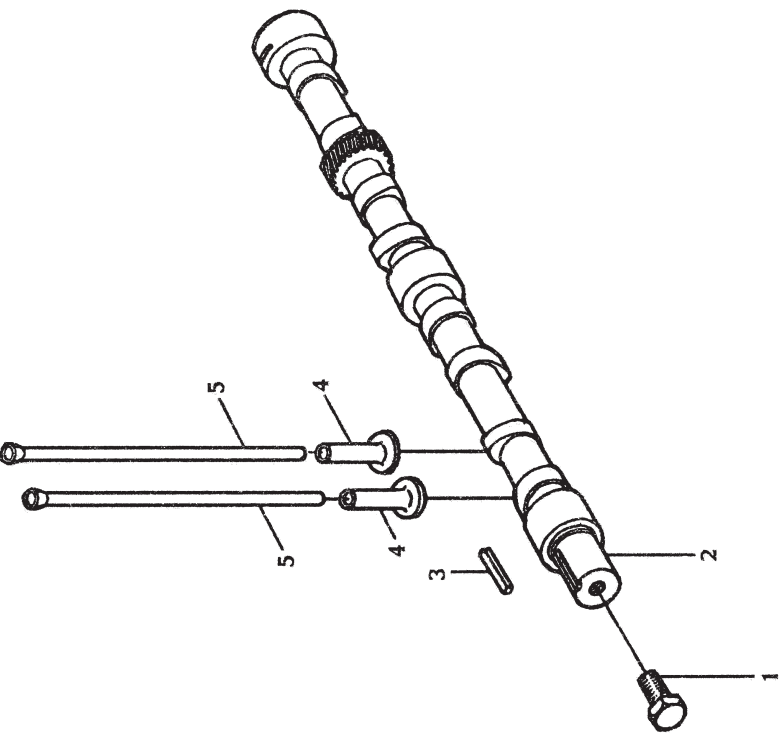
Nr.	Parts Nr.	Description	Qty
39	YND495DE-03039	Rockshaft	1
40	YND495DE-03040	Rockshaft rear carrier	1
41	YND495DE-03041	Washer 6-140HV	9
42	YND495DE-03042	Rockshaft locating screw	1
43	YND495DE-03043	Nut M8x1.0	8
44	YND495DE-03044	Bolt M8x60	4
45	YND495DE-03045	Cylinder head bonnet gasket	1
46	YND495DE-03046	Cylinder head bonnet	1
47	YND495DE-03047	Filler cap gasket	1
48	YND495DE-03048	Filler cap	1
49	YND495DE-03049	Cap nut M8	4
50	YND495DE-03050	Name plate	1

5. Kurbelwelle und Schwung



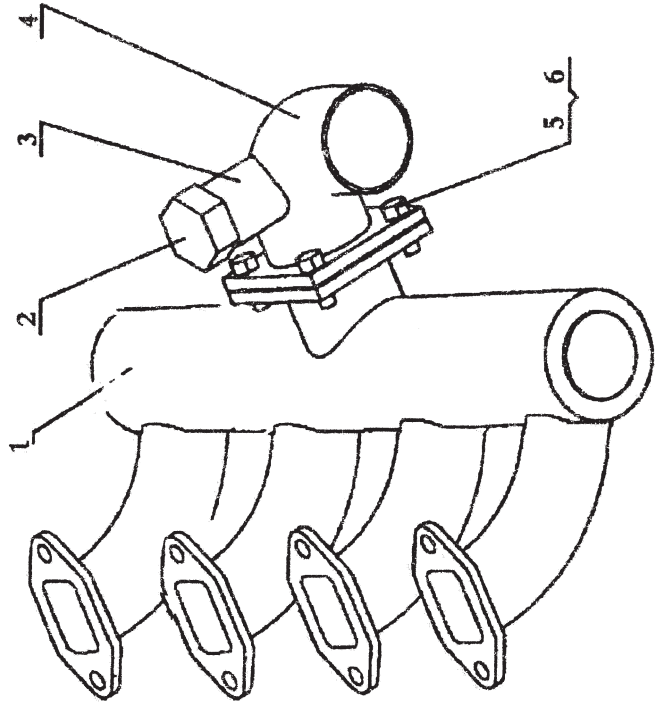
Nr.	Parts Nr.	Description	Qty
1	YND495DE-05001	Starting claw	1
2	YND495DE-05002	Starting claw backing plate	1
3	YND495DE-05003	Crankshaft belt pulley	1
4	YND495DE-05004	Crankshaft	1
5	YND495DE-05005	Key C10x64	1
6	YND495DE-05006	Plug	4
7	YND495DE-05007	Flywheel gear ring	1
8	YND495DE-05008	Flywheel	1
9	YND495DE-05009	Pin B8x20	1
10	YND495DE-05010	Ball bearing 6203-Z	1
11	YND495DE-05011	Flywheel bolt	7

6. Nockenwelle und Stößel



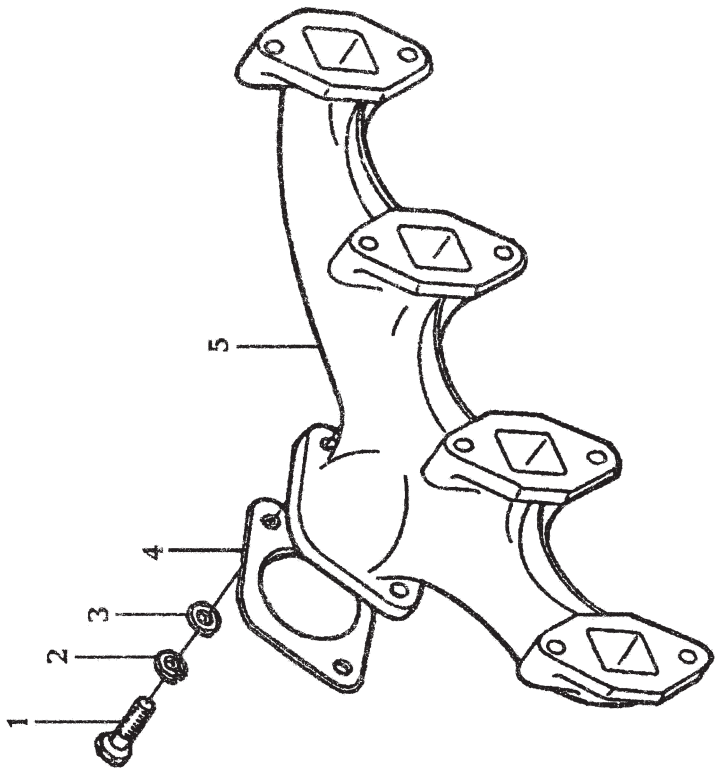
Nr.	Parts Nr.	Description	Qty
1	YND495DE-06001	Bolt M12x35	1
2	YND495DE-06002	Camshaft	1
3	YND495DE-06003	Key C8x22	1
4	YND495DE-06004	Tappet	8
5	YND495DE-06005	Push rod	8
6	YND495DE-06006	Washer 12	1

7. Einlasskrümmer

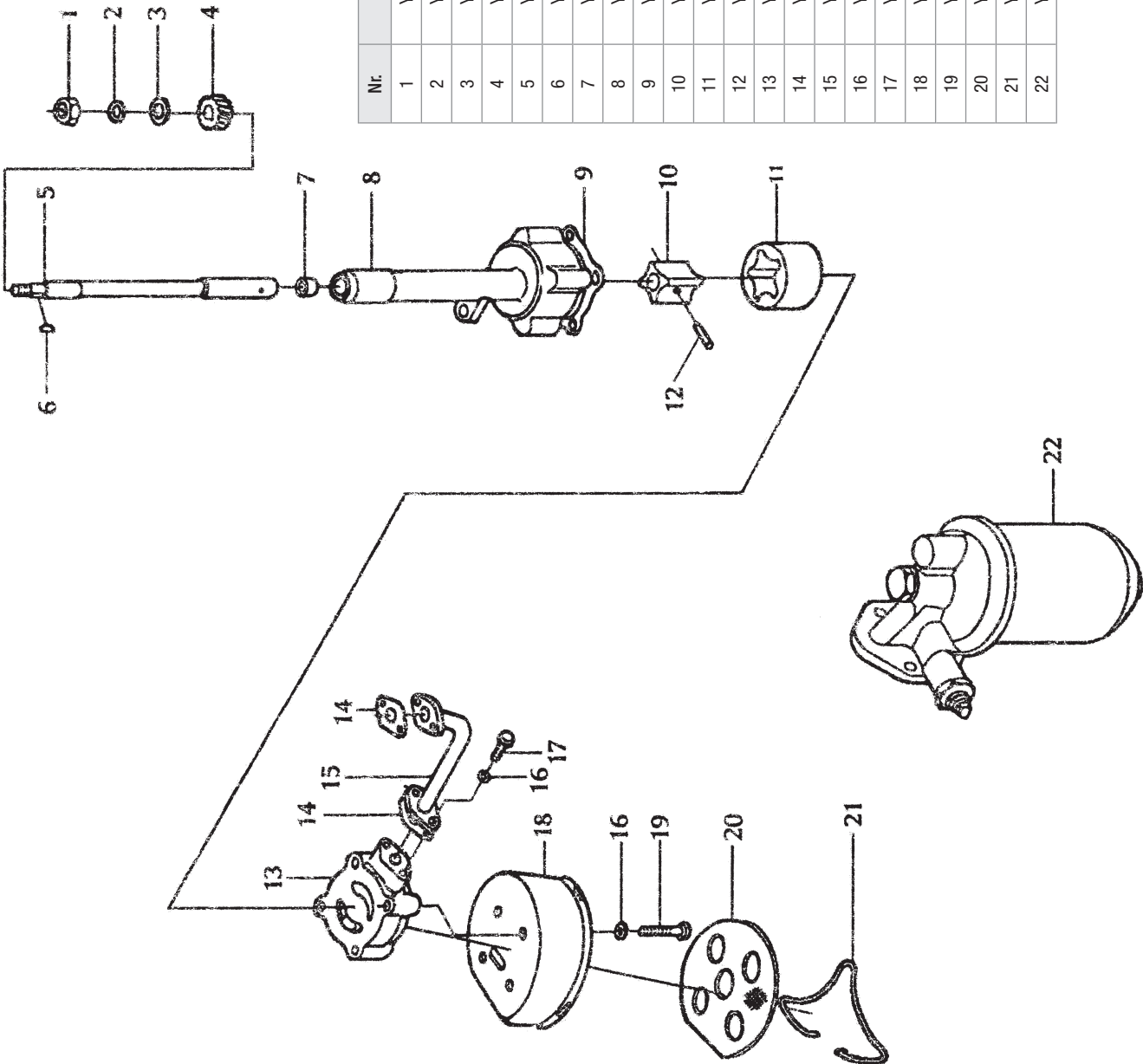


Nr.	Parts Nr.	Description	Qty
1-6	YND495DE-07000	Intake pipe assy.	1

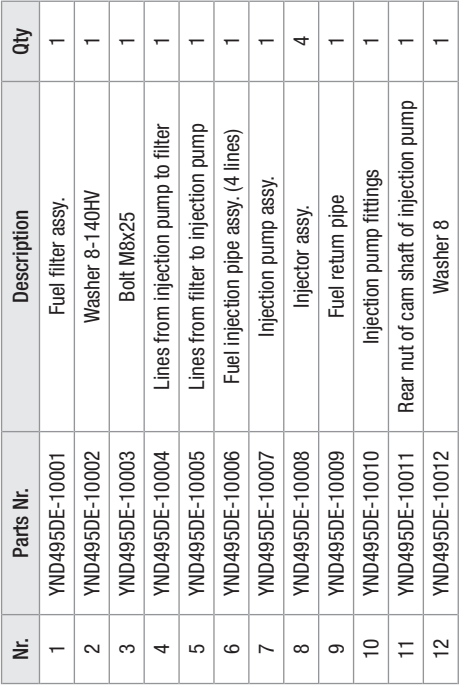
8. Auslasskrümmer

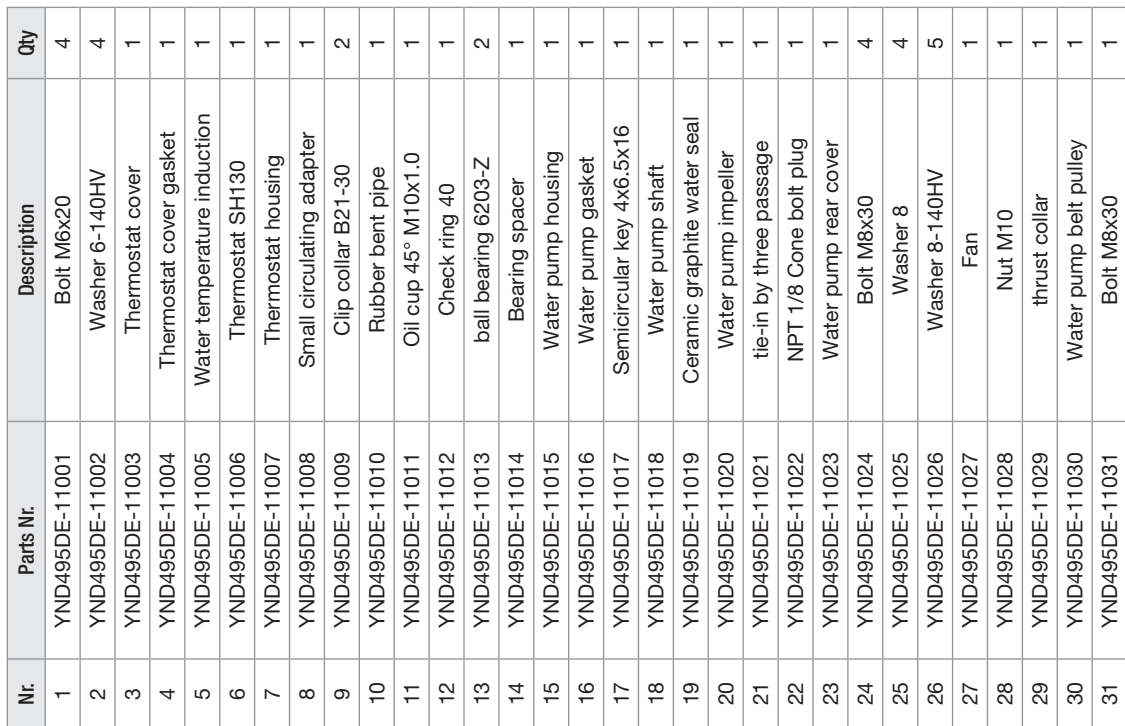


Nr.	Parts Nr.	Description	Qty
1	YND495DE-08001	Bolt M10x20	2
2	YND495DE-08002	Washer 10	2
3	YND495DE-08003	Washer 10-140HV	2
4	YND495DE-08004	General exhaust pipe gasket	1
5	YND495DE-08005	Exhaust pipe	1

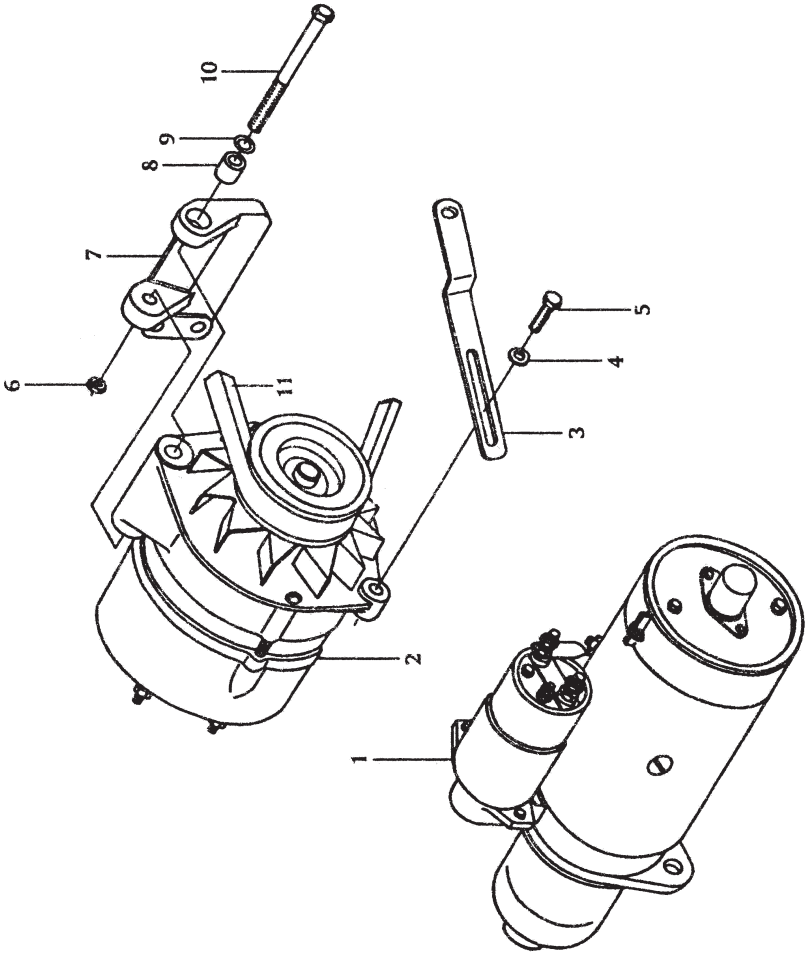


Nr.	Parts Nr.	Description	Qty
1	YND495DE-09001	Nut M8	1
2	YND495DE-09002	Part of integrative filter	1
3	YND495DE-09003	Washer 8-140HV	1
4	YND495DE-09004	Oil pump drive gear	1
5	YND495DE-09005	Oil pump shaft	1
6	YND495DE-09006	Semicircular key 3x5x13	1
7	YND495DE-09007	O-ring seal 17x1.8G	2
8	YND495DE-09008	Oil pump body	1
9	YND495DE-09009	Oil pump gasket	1
10	YND495DE-09010	Inner rotor	1
11	YND495DE-09011	Outer rotor	1
12	YND495DE-09012	Cylindrical pin	1
13	YND495DE-09013	Oil pump cover	1
14	YND495DE-09014	Oil pipe Gasket	2
15	YND495DE-09015	Oil pipe	1
16	YND495DE-09016	Washer 6	2
17	YND495DE-09017	Bolt M6x25	1
18	YND495DE-09018	Thrust block	1
19	YND495DE-09019	Bolt M6x45	1
20	YND495DE-09020	Gauze filter body	1
21	YND495DE-09021	Clamp	1
22	YND495DE-09022	Filter assembly J0810H	1



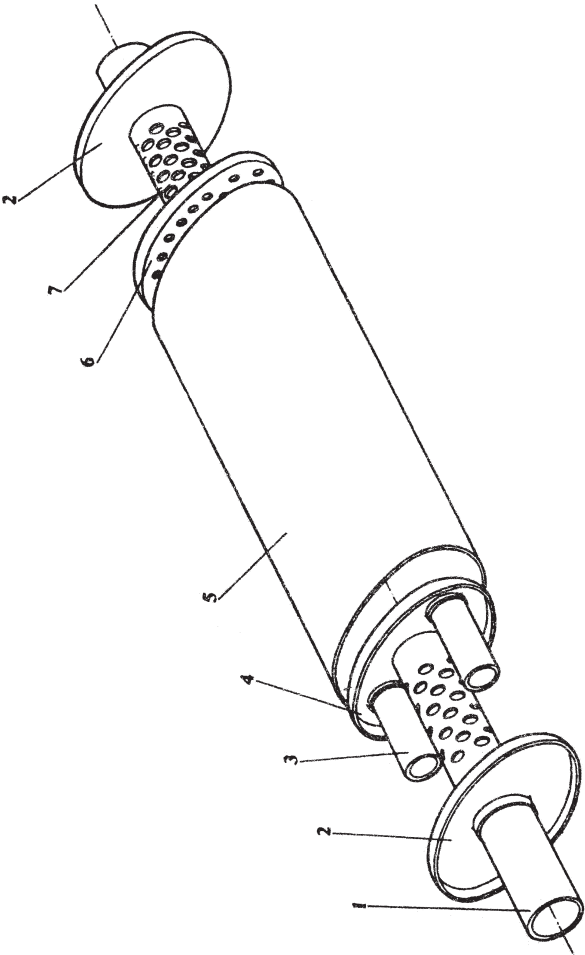


12. Elektrisches System

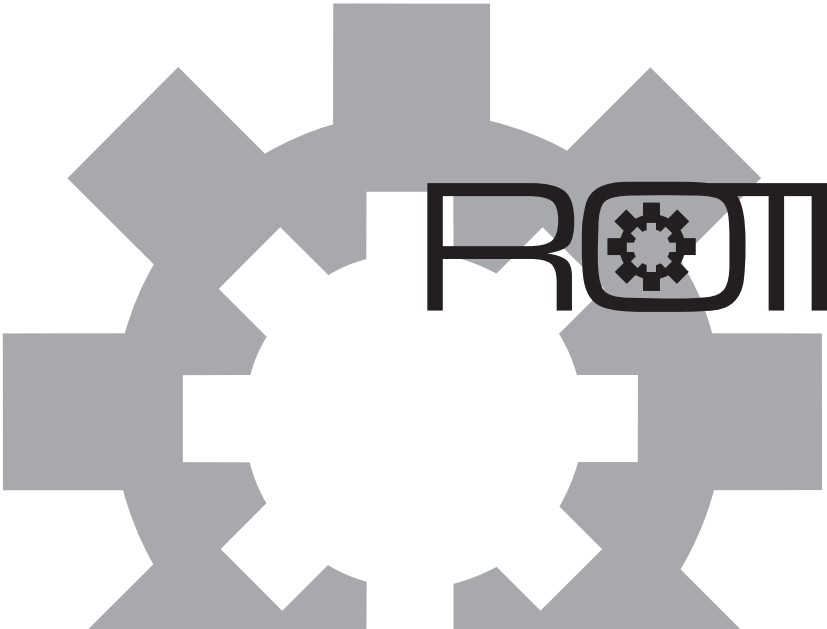


Nr.	Parts Nr.	Description	Qty
1	YND495DE-12001	Nut M10	1
2	YND495DE-12002	Bolt M8x16	2
3	YND495DE-12003	Starting motor assy.	1
4	YND495DE-12004	Alternator JF-11	1
5	YND495DE-12005	Alternator support (lower)	1
6	YND495DE-12006	Washer 8-140HV	1
7	YND495DE-12007	Bolt M8x25	1
8	YND495DE-12008	Lower sit of alternator	1
9	YND495DE-12009	Washer 10	1
10	YND495DE-12010	Bolt M10x90	1
11	YND495DE-12011	V-belt AV13xLa1090	1
12	YND495DE-12012	Washer 8	2

13. Schalldämpfer



Nr.	Parts Nr.	Description	Qty
1-7	YND495DE-13000	Silencer assy.	1



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