

AGROSAL d.o.o.



LDW 442



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Gregorčičeva ulica 38, 5270 Ajdovščina
telefon: 05 368 90 96, fax: 05 368 90 97
e-mail: info@agrosal.si, www.agrosal.si

**LOMBARDINI**

A KOHLER COMPANY

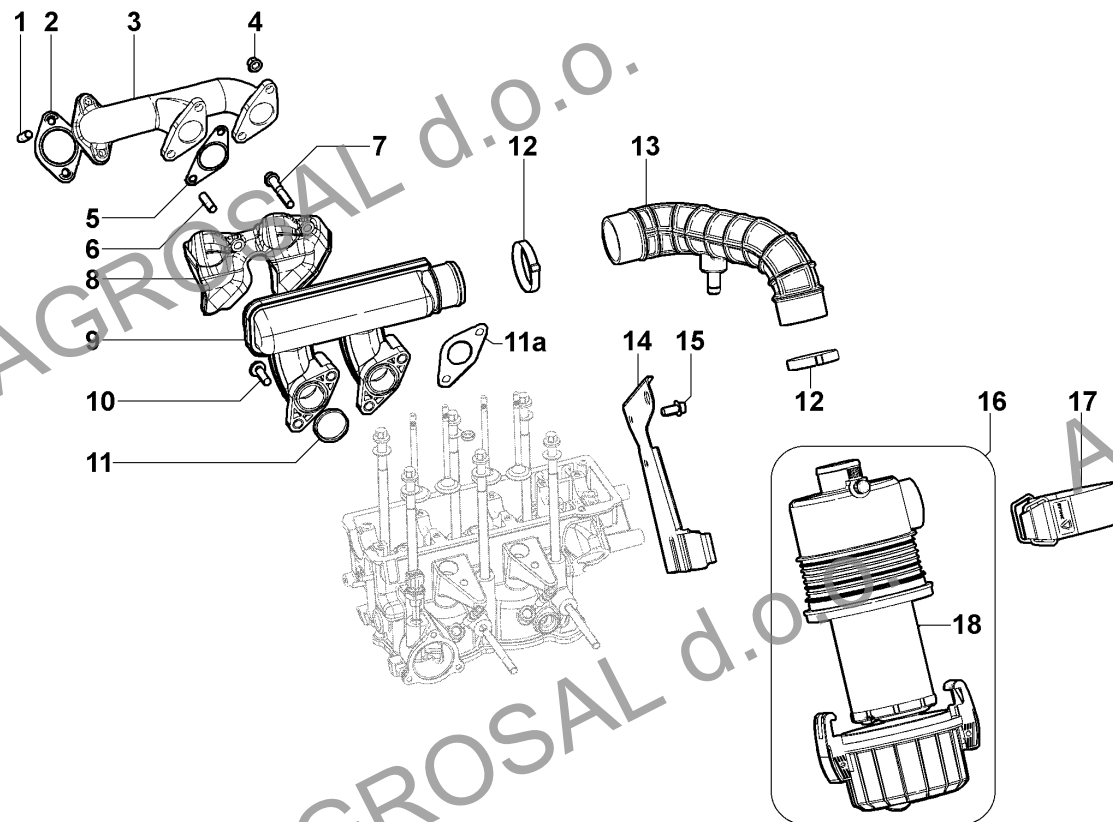
Group: LDW 442

Engine: LDW 442 Drawing: A

INTAKE AND EXHAUST

POS.	CODE	DESCRIPTION	Qty
1	6780.068	stud M 8 X 18 (30)	2
2	4820.069	gasket	1
3	2486.515	exhaust manifold	1
4	3240.165	nut M 8	4
5	4820.067	exh.manifold gasket	2
6	6780.068	stud M 8 X 18 (30)	2
7	9820.191	screw	2
8	6927.636	inlet manifold guard	1
9	2486.502	inlet manifold (plastic type)	1
9	2486.511	inlet manifold (plastic type)	1
10	1770.199	screw M 8 X 1,25 X 25	2
11	4400.092	inl.manifold gasket (plastic type inlet manifold)	2
11a	<----->	see Pos. A 11	2
12	3630.175	clamp diam.52	2
12	3630.220	clamp diam.50	2
13	5365.149	connection hose	1
13	5365.151	connection hose	1
14	8545.974	bracket	1
15	1770.160	screw M 8 X 1,25 X 16	2
16	3700.462	dry air cleaner 4"	1
17	2440.421	air filter fixing belt	1
18	2175.224	air cleaner cartridge	1

A



**LOMBARDINI**

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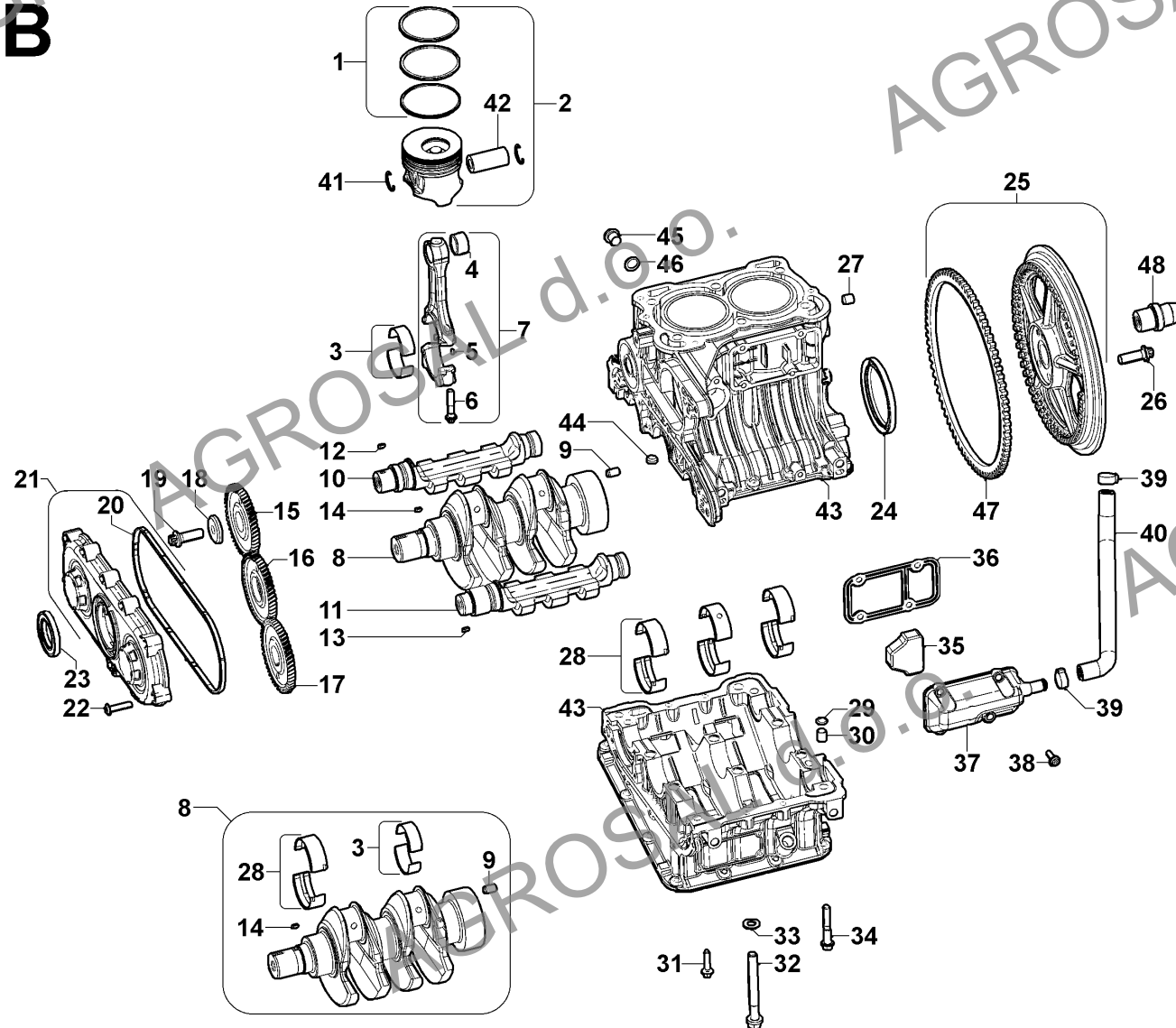
Group: LDW 442

Engine: LDW 442 Drawing: B

CONN.ROD/PISTON/CRANKSHAFT/FLYWHEEL/CRANKCASE/EQUALIZER/BREATHER SYST.

POS.	CODE	DESCRIPTION	Qty
1	8211.277	ring set std.	1
1	8211.278	ring set +0,25	1
1	8211.279	ring set +0,50	1
2	6502.889	PISTON SET std	1
2	6502.890	PISTON SET +0,25	1
2	6502.891	PISTON SET +0,50	1
3	1640.137	big end bushing std.	2
4	1630.048	small end bushing	2
5	7770.256	roller 3 X 5	4
6	1770.176	bolt M 7 X 1 X 36	4
7	1526.277	CONNECTING ROD	2
8	1051.328	CRANKSHAFT	1
9	8400.120	lockpin	1
10	1111.251	equalizer shaft (left side)	1
11	1111.250	equalizer shaft (right side)	1
12	2280.163	crankshaft wooddruff key	1
15	4936.270		1
16	4936.269	equalizer drive gear	1
17	4936.270		1
18	7625.319	washer	1
19	1780.140	bolt M 10 X 30	1
20	4400.089	gear cover gasket	1
21	2635.013	gear cover	1
22	9730.409	screw M 6 X 30	10
23	1213.511	seal ring 30X52X7	1
24	1213.509	seal ring 70X88X8	1
25	9881.524	flyweel with crown gear	1
26	1780.140	bolt M 10 X 30	3
27	9080.182	plug diam.10	1
28	1611.237	supp.bearing std.	3
29	1200.037	rubber oil seal	2
30	1970.496	sleeve	3
31	1760.138	screw	4
32	9820.222	special screw mm 90+10	6
33	7625.130	washer diam. 10,2	6
34	9820.191	screw	4
35	5976.009	filtering element	1
36	4580.219	gasket	1
37	2610.113	decanter cover	1
38	9730.389	screw	4
39	3630.174	clamp	2
40	9400.162	breather line	1
41	1160.057	circlip	4
42	8480.113	gudgeon pin	2
43	1510.962	CRANKCASE	1
44	886R.05	plug	1
45	9027.007	plug	1
46	4670.060	copper gasket diam.12	1
47	<----->	see Pos. B25	0
48	6902.221	eXtension	1
49	7565.011	washer diam.10	1
50	1780.179	screw M 10 X 1,25 X 225	1

B



**LOMBARDINI**

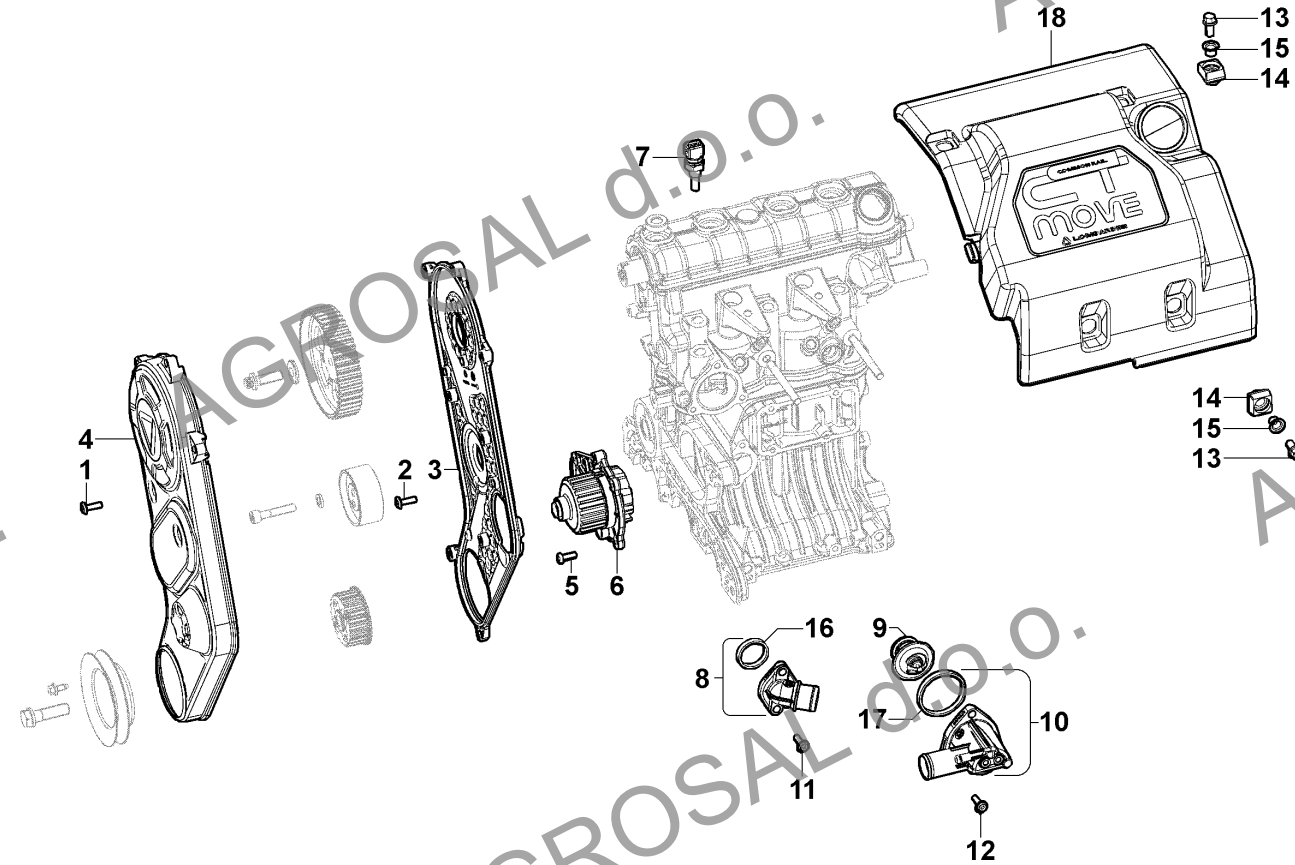
A KOHLER COMPANY

Group: LDW 442

Engine: LDW 442 Drawing: F

COOLING SYSTEM/SOUNDPROOFING

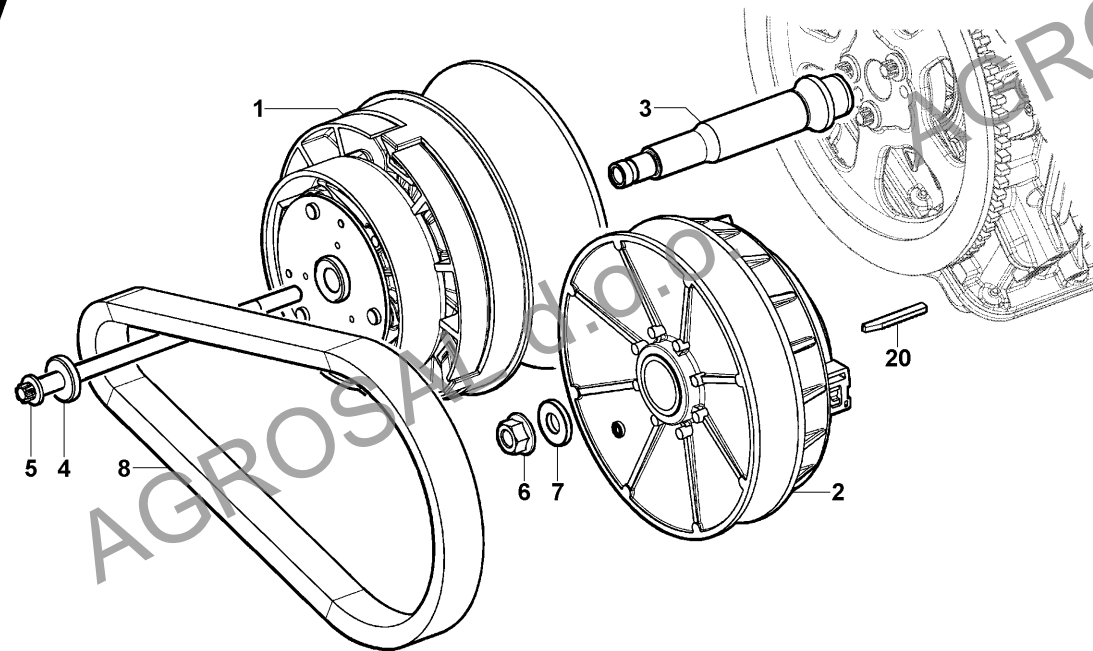
POS.	CODE	DESCRIPTION	Qty
1	9730.389	screw	7
3	6927.716	belt guard	1
4	6927.647	belt guard	1
5	9730.337	screw M 6 X 16	6
6	6584.511	cooling pump	1
7	8089.133	water temperature sensor	1
8	3865.107	water flange	1
9	9195.124	thermal eXpans.valve	1
10	2750.483	thermostat cover	1
11	9730.389	screw	2
13	1770.160	screw M 8 X 1,25 X 16	4
14	1585.272	sleeve	4
15	5030.630	insert	4
16	4400.091	gasket	1
17	4400.090	gasket	1
18	2750.523	denoised cover	1



CONTINUOUS VARIABLE TRANSMISSION (CVT)

POS.	CODE	DESCRIPTION	Qty
1	6975.405	driving pulley	1
2	6975.406	driven pulley	1
3	6902.228	extension	1
4	7565.011	washer diam.10,5	1
5	1780.179	screw M 10 X 225	0
6	3240.192	flange nut M 12	1
7	7625.361	washer diam.12,5	1
8	2420.036	belt	1
20	2280.161	key	1

V



**LOMBARDINI**

A KOHLER COMPANY

Group: LDW 442

Engine: LDW 442 Drawing: C

CYLINDER HEAD/ROCKER ARM BOX/VALVES/TIMING/GLOW PLUG/JOCKEY PULLEY

POS.	CODE	DESCRIPTION	Qty
1	2125.707	rocker arm cover	1
1	2125.724	rocker arm cover	1
2	9865.318	screw	4
3	7980.096	cup	4
4	4400.105	gasket	4
5	1200.082	O ring 3106	1
6	9032.093	filler oil cap	1
7	4400.109	gasket	1
8	1760.147	screw	10
9	2125.731	camshaft cover	1
10	1970.456	sleeve	2
11	1541.242	rocker arm	4
12	7215.128	hydraulic push rod	4
13	1261.118	seal	4
14	6410.137	retainer with half-collets	4
15	5755.153	valve spring	4
16	6400.092	retainer	4
17	9685.158	eXhaust valve	2
18	7625.130	washer diam. 10,2	6
19	1862.152	fixing head bolt	6
20	1213.510	seal ring 25X40X7	1
21	9305.494	hose	1
22	9080.133	plug diam. 8	1
23	8990.047	plug diam.18	1
24	9201.125	complete cylinder head	1
25	8990.042	plug	1
26	8089.126	timing sensor	1
27	1760.130	bolt M 6 X 1 X 12	1
28	8990.047	plug diam.18	1
29	2100.094	preheating glow plug 12 V	2
30	4845.255	inlet valve guide	2
31	4845.256	eXh.valve guide	2
32	8000.225	inlet v.seat	2
33	8000.224	eXhaust v.seat	2
34	4730.766	gasket 0,83	1
34	4730.812	gasket 0,73	1
34	4730.813	gasket 0,93	1
34	4730.922	gasket 1,02	1
35	8400.020	taper pin	2
36	9730.003	screw M 5 X 10	2
37	8089.134	revolution sensor	1
38	6370.706	plate	1
39	3617.147	clamp	1
40	1770.160	screw M 8 X 1,25 X 16	1
41	6975.357	contr.gear pulley	1
42	763R.002	washer diam. 8,4	1
43	9730.031	screw M 8 X 40	1
44	4110.045	jockey pulley	1
44a	5885.077	hub for jockey pulley	1
45	9730.389	screw	1
46	2015.104	sensor cam	1
47	2440.411	timing belt	1
48	1011.806	camshaft	1

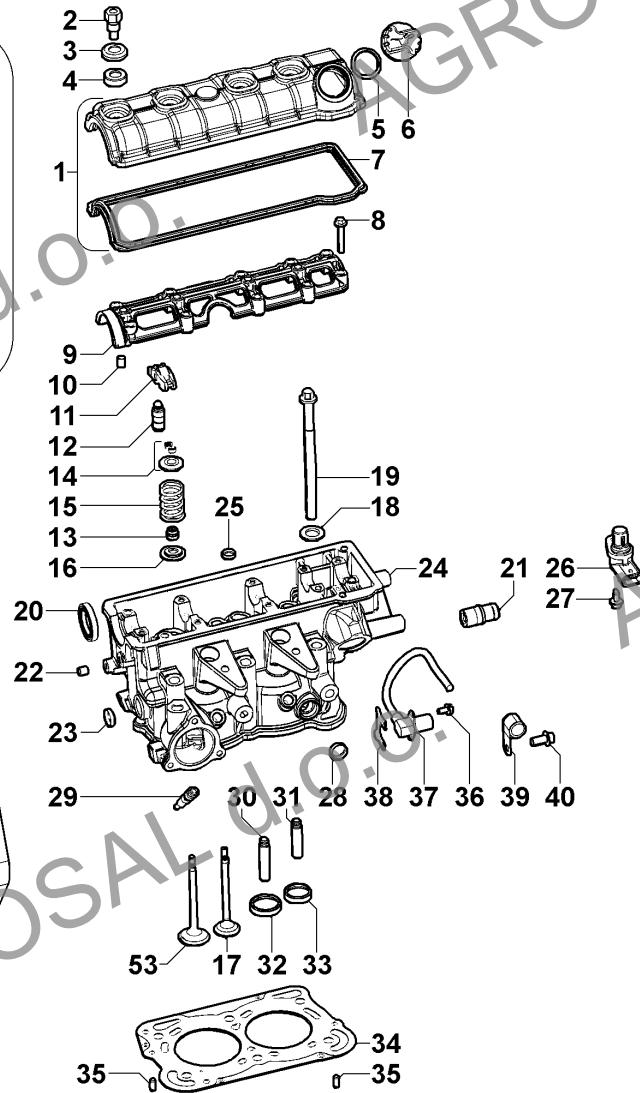
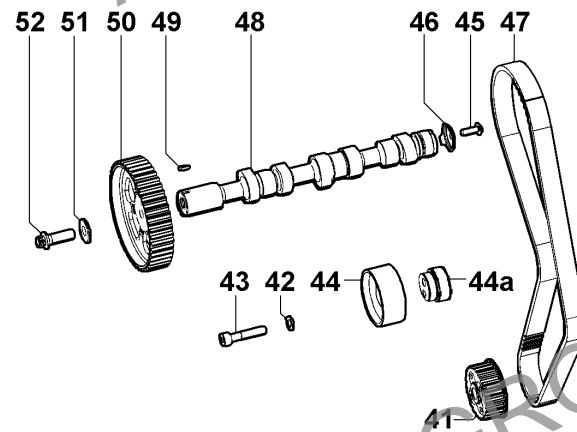
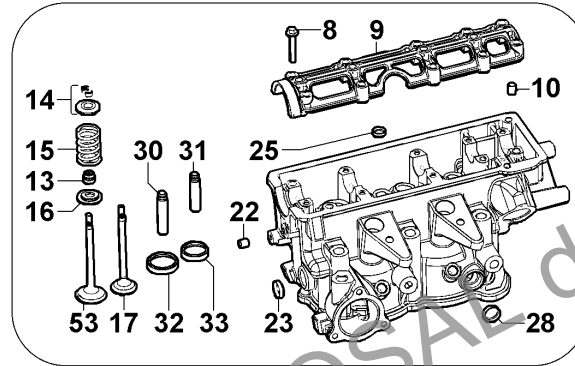
Group: LDW 442

Engine: LDW 442 Drawing: C

CYLINDER HEAD/ROCKER ARM BOX/VALVES/TIMING/GLOW PLUG/JOCKEY PULLEY

POS.	CODE	DESCRIPTION	Qty
49	2280.166	tab 3 X 3 X 12	1
50	6975.364	camshaft pulley	1
51	7625.256	washer diam.10,5 (alt.33 A)	1
52	1780.140	bolt M 10 X 30	1
53	9652.167	intake valve	2

C



**LOMBARDINI**

A KOHLER COMPANY

Group: LDW 442

Engine: LDW 442 Drawing: E

FUEL SYSTEM/STARTING/ELECTRICAL COMPONENTS

POS.	CODE	DESCRIPTION	Qty
1	2501.197	hollowstud	2
2	2501.200	hollowstud	2
3	9380.012	common rail	1
4	<----->	see Pos. E59	0
5	3240.163	nut M 8	1
6	7625.326	washer	2
7	8546.103	brace	1
8	6780.027	stud M 8 X 50	1
9	8430.130	taper pin 2,5X20	1
10	6590.438	injection pump	1
11	4580.194	gasket	1
12	6000.113	adjustment cup violet 4,00	1
12	6000.114	adjustment cup white 4,10	1
12	6000.115	adjustment cup yellow 4,20	1
12	6000.116	adjustment cup orange 4,30	1
12	6000.117	adjustment cup light blue 4,40	1
12	6000.118	adjustment cup green 4,50	1
12	6000.119	adjustment cup blue 4,60	1
12	6000.120	adjustment cup red 4,70	1
12	6000.121	adjustment cup grey 4,80	1
12	6000.122	adjustment cup violet 4,90	1
12	6000.129	adjustment cup light grey 5,00	1
12	6000.130	adjustment cup brown 5,10	1
13	7215.145	tapped	1
14	9765.185	screw M 6 X 1	1
15	6780.086	stud M 8 X 65 (77)	2
16	<----->	see Pos. E59	0
17	9732.063	screw M 8 X 35	2
18	7625.326	washer	1
19	8545.950	bracket	2
20	4670.099	copper gasket 1,00	2
20	4670.101	copper gasket 0,50	2
20	4670.133	gasket	2
21	5010.090	injector	2
22	6491.013	pipe elbow	1
23	6745.050	oil switch 0,3 bar (M 12)	1
24	4670.060	copper gasket diam.12	1
25	5840.238	starting motor 12V 1,1KW	1
26	3240.186	nut M 8	1
27	6370.679	starter motor support	1
28	1770.111	bolt M 8	3
29	8430.109	taper pin 6X12	1
30	7625.019	washer diam.10	2
31	9820.142	screw	2
32	6800.103	stud M 10X 50	1
33	7625.354	washer	1
34	3240.185	nut M 10	1
35	2440.305	belt mm 665	1
36	1862.073	bolt	1
37	1760.130	bolt M 6 X 1 X 12	4
38	6975.358	alternator pulley	1
39	1770.155	bolt M 8 X 1,25 X 30	2
40	3203.050	selflocking nut M 6	1

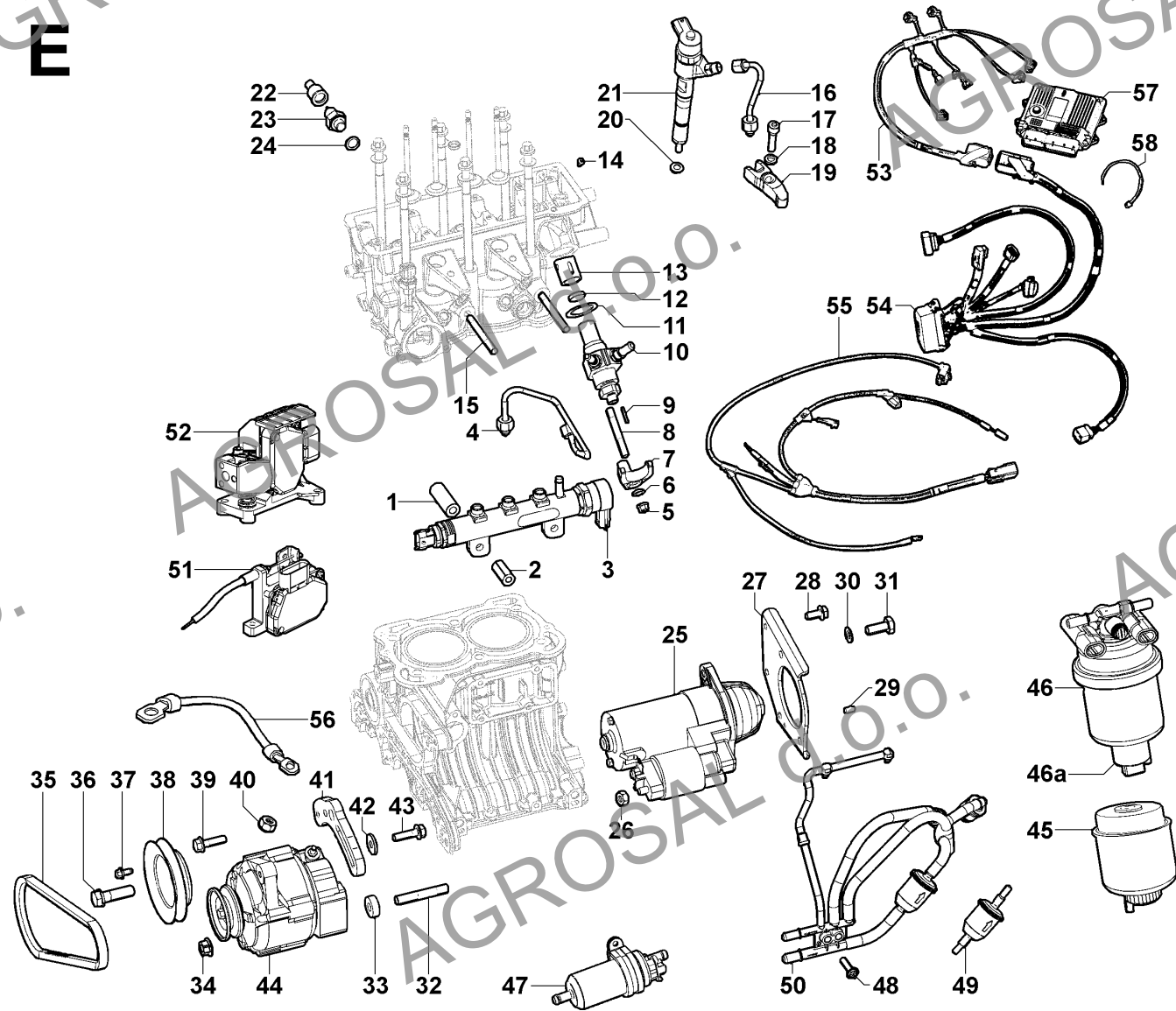
Group: LDW 442

Engine: LDW 442 Drawing: E

FUEL SYSTEM/STARTING/ELECTRICAL COMPONENTS

POS.	CODE	DESCRIPTION	Qty
41	8545.957	bracket	1
42	7625.098	washer diam. 8,4	1
43	1770.155	bolt M 8 X 1,25 X 30	1
44	1157.326	eXternal volt.alternator 12V 40A Nippodenso	1
45	2175.241	fuel filter cartridge	1
46	3730.164	fuel filter	1
46a	8089.148	water presence sensor	1
47	6585.111	electrical fuel feed pump	1
48	9730.409	screw M 6 X 30	2
49	3730.121	fuel filter	1
50	3545.082	fuel hose ass.y	1
51	6020.003	accelerator	1
52	6020.002	accelerator pedal	1
53	2186.209	wire ass.y	1
54	2186.233	fuses/relay wire	1
54	2186.234	fuses/relay wire	1
55	2186.210	auXiliary wire ass.y	1
56	2186.212	alternator wire Ø mm 6 mm 6	1
56	2186.245	alternator wire Ø mm 7,5	1
56	2186.264	alternator wire Ø mm 7,5 with sheath	1
57	2193.232	CT MOVE contr.boX (3600 R.P.M.)	1
57	2193.270	CT MOVE contr.boX (3700 R.P.M.)	1
57	2193.276	CT MOVE contr.boX (3200 R.P.M.)	1
58	2471.019	collar mm 175	1
59	9376.169	HIGH PRESSURE TUBE KIT	1

E



**LOMBARDINI**

A KOHLER COMPANY

Group: LDW 442

Engine: LDW 442 Drawing: U

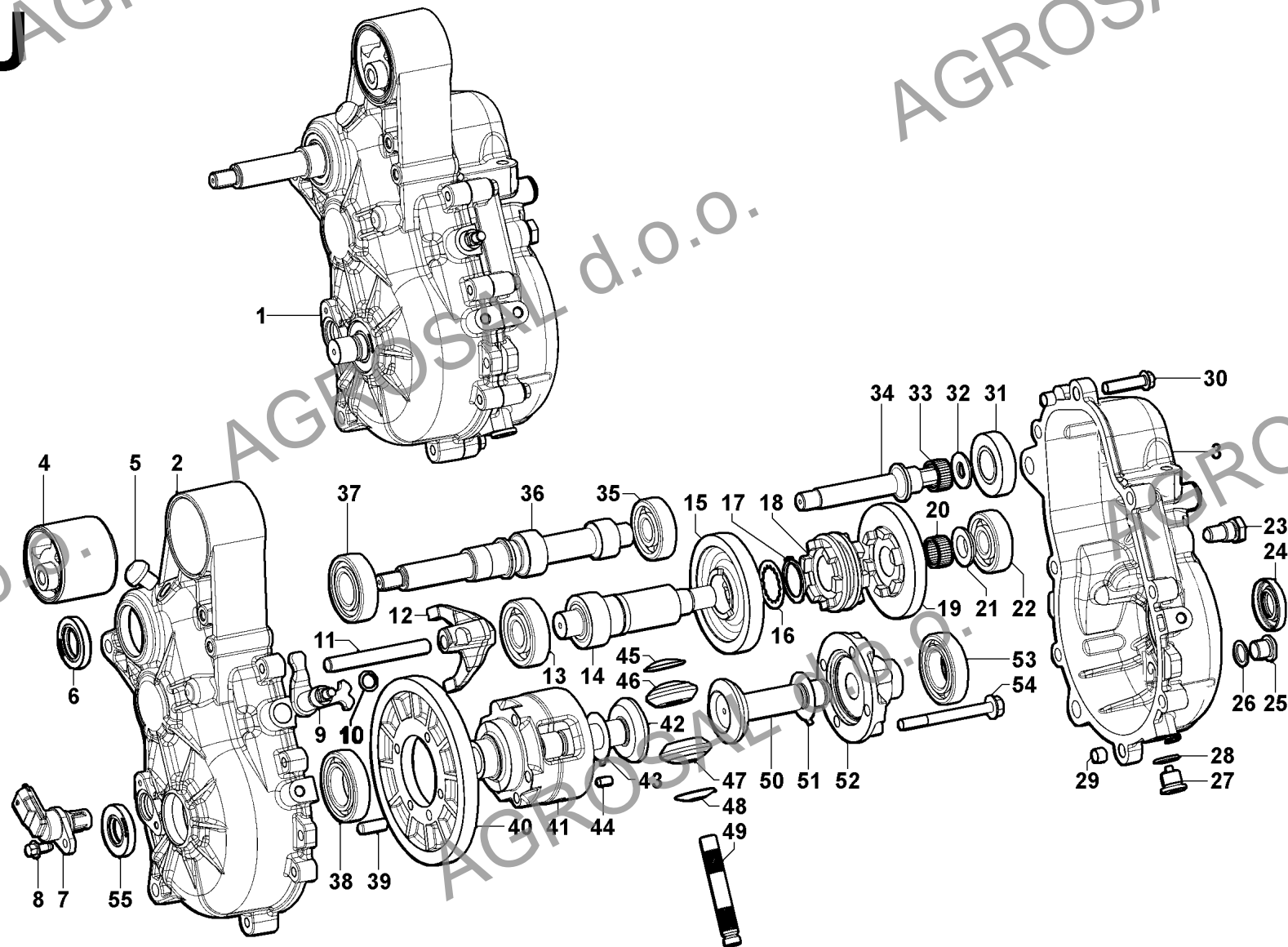
GEARBOX

POS.	CODE	DESCRIPTION	Qty
1	2008.074	gearbox	1
2	8080.087	left half gear boX	1
3	8080.088	right half gear boX	1
4	8636.199	vibration-damping	1
5	9080.879	breather cap	1
6	1213.055	seal ring 25 X 40 X 7	1
7	8089.126	sensor	1
8	1760.130	bolt M 6 X 1 X 12	1
9	5201.320	drive fork lever	1
10	1200.075	O ring 2043	1
11	6140.531	pin	1
12	3945.045	yoke	1
13	3010.268	ball bearing 20X52X15	1
14	1111.278	driven shaft	1
15	4920.085	forward gear	1
16	7625.366	washer Ø 27,7	1
17	1241.075	spring ring Ø 30	1
18	5375.024	selector spider control rod	1
19	4920.084	reverse gear	1
20	4102.052	ball bearing 19X23X13	1
21	3526.161	spacer	1
22	3010.272	ball bearing 17X47X14	1
23	9080.878	plug	1
24	1213.513	seal ring 20X40X7	1
25	9040.012	plug M 14	1
26	4670.061	copper gasket diam.14	1
27	9080.887	magnetic discharging oil plug	1
28	4670.061	copper gasket diam.14	1
29	1970.455	sleeve	2
30	1770.178	screw M 8 X 1,25 X 35	8
31	4920.083	gear	1
32	7352.079	thrust washer	1
33	4102.052	ball bearing 19X23X13	1
34	1111.273	reverse motion shaft	1
35	3010.272	ball bearing 17X47X14	1
36	1111.271	transmission shaft	1
37	3010.278	ball bearing 25X52X15	1
38	3010.269	ball bearing 30X55X13	1
39	8461.112	lockpin 8X24	1
40	2816.230	crow wheel	1
41	2871.289	differential boX	1
42	1111.274	differential shaft	1
43	7352.075	thrust washer	1
44	9765.124	screw M 6 X 12	1
45	7352.076	thrust washer	1
46	6480.082	side pinion	1
48	7352.076	thrust washer	1
49	6231.286	pin	1
50	1111.274	differential shaft	1
51	7352.075	thrust washer	1
52	2610.115	cover	1
53	3010.269	ball bearing 30X55X13	1
54	1770.201	screw M 8 X 80	4

Engine: LDW 442 Drawing: U

POS.	CODE	DESCRIPTION	Qty
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U



**LOMBARDINI**

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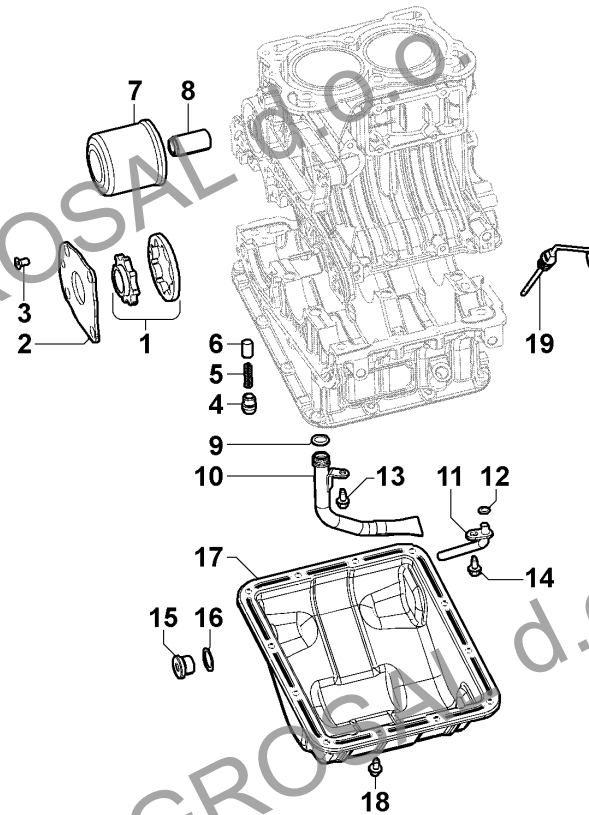
Group: LDW 442

Engine: LDW 442 Drawing: D

LUBRICATING SYSTEM/OIL PUMP/DIPSTICK/OIL PAN/OIL FILTER

POS.	CODE	DESCRIPTION	Qty
1	7750.144	oil pump rotors	1
2	6275.204	plate	1
3	9800.109	screw M 6 X 12	4
4	9000.208	plug	1
5	5625.008	pressure valve spring	1
6	6495.076	drive rod	1
7	2175.218	oil filter cartridge	1
8	7265.021	oil filter connector	1
9	1200.030	rubber oil seal	1
10	9485.315	suction pipe	1
11	9485.288	scavenge oil pipe	1
12	1200.266	rubber oil seal	1
13	1760.130	bolt M 6 X 1 X 12	1
15	9040.026	plug M 18 h = 16	1
16	4670.088	copper gasket 18X24X1	1
17	6645.605	oil pan	1
18	1760.130	bolt M 6 X 1 X 12	12
19	1400.469	dipstick	1
19	1400.521	dipstick	1

D



MOUNTS

POS.	CODE	DESCRIPTION	Qty
1	6429.411	flywheel side engine mount	1
2	6429.410	timing side engine mount	1
3	8636.208	vibration-damping	2
4	8546.211	bracket	2
5	8546.212	bracket	2
6	7555.029	washer diam. 8	2
7	7555.008	washer diam.10	2
8	9730.426	screw M 10 X 145	2
9	9730.048	screw M 10 X 45	4
10	1770.160	screw M 8 X 16	2
10	9730.024	screw M 8 X 16	2
11	9800.137	screw M 8 X 25	4

S

