

AGROSAL d.o.o.



11LD 522-3



AGROSAL d.o.o.

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**LOMBARDINI**

A KOHLER COMPANY

Group: 11LD 522-3

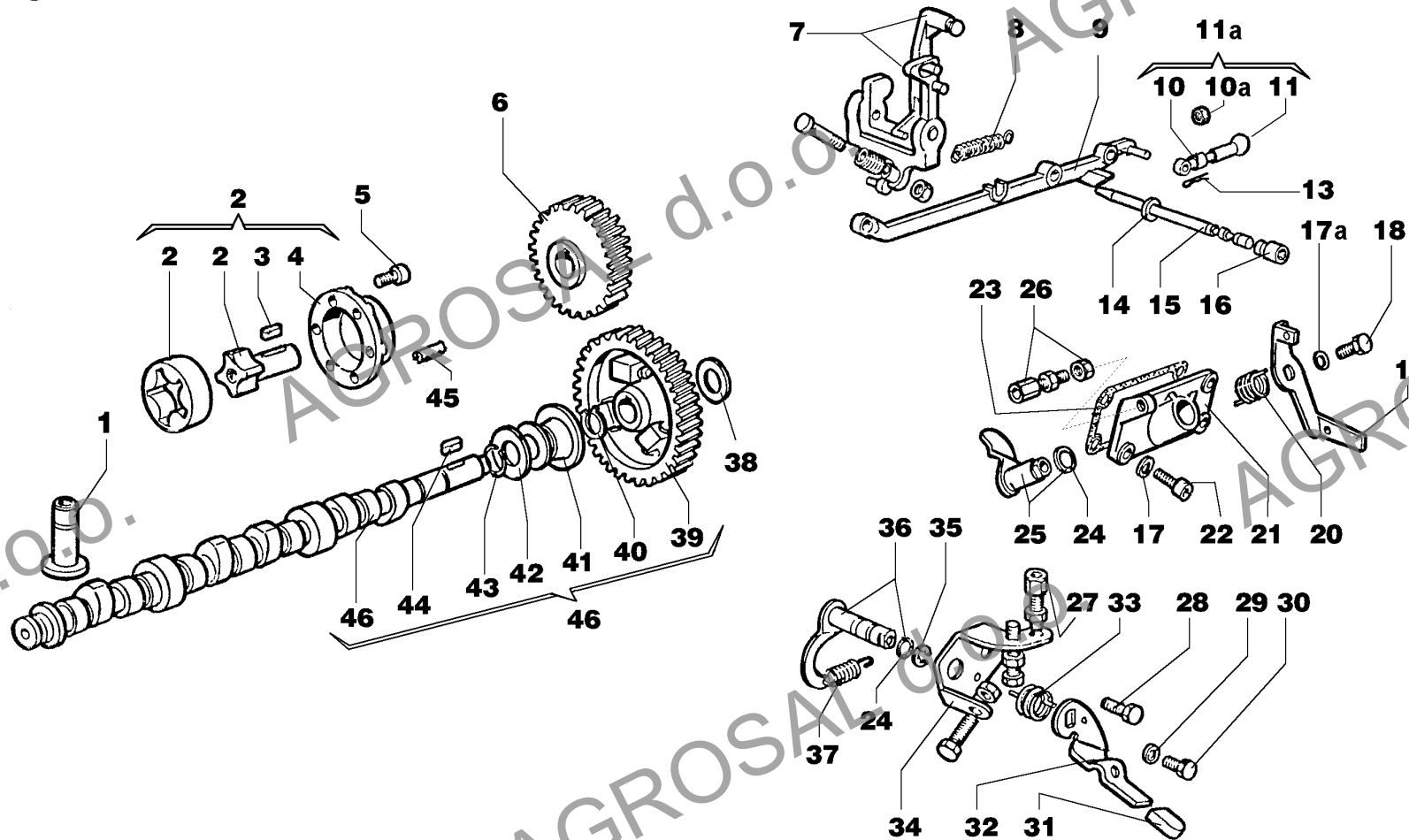
Engine: 11LD 522-3 Drawing: C

CAMSHAFT/SPEED GOVERNOR/CONTROL LEVER

POS.	CODE	DESCRIPTION	Qty
01	708R.019	tappet	6
02	A22R.080	lub oil pump	1
03	498R.012	tab	1
04	240R.073	oil pump cover	1
05	9730.015	screw M 6 X 30	6
06	469R.086	oil pump gear	1
07	495R.006	lever	1
08	551R.014	spring	1
09	926R.072	tie rod	1
10	833R.012	setscrew	1
10a	3240.004	nut M 5	1
11	«-----»	joint - see Pos. C 11a	0
11a	927R.004	tie rod	1
13	555R.037	spring	4
14	4670.059	copper gasket	1
15	601R.077	journal	1
16	989R.062	capscrew	1
17	7625.008	washer diam. 6,4	4
18	1760.001	bolt M 6 X 1 X 10	1
19	«-----»	lever - see pos. C 21	0
20	547R.028	spring	1
21	235R.007	cover ass.y	1
22	9732.078	screw M 6 X 25	4
23	451R.018	gasket	1
24	579R.001	O-ring	2
25	494R.088	lever	1
26	9180.191	adjuster M 6	1
27	9180.193	wire end	1
28	1770.001	bolt M 8 X 1,25 X 12	1
29	7626.051	washer	1
30	1760.003	bolt M 6 X 1 X 12	1
31	2135.056	cap	2
32	495R.004	accelerator eXternal lever	1
33	547R.061	spring	1
34	613R.073	safety plate	1
35	1165.036	ring	1
36	495R.002	accelerator internal lever	1
37	551R.040	spring	1
38	777R.033	washer	1
38	777R.034	washer	1
39	469R.085	gear	1
40	1240.013	snap ring	1
41	621R.022	governor tappet	1
42	777R.078	washer	1
43	059R.085	ring	1
44	498R.036	tab	1
45	8430.102	lockpin 8 X 12	1
46	1011.781	camshaft	1

11LD 522-3

C



**LOMBARDINI**

A KOHLER COMPANY

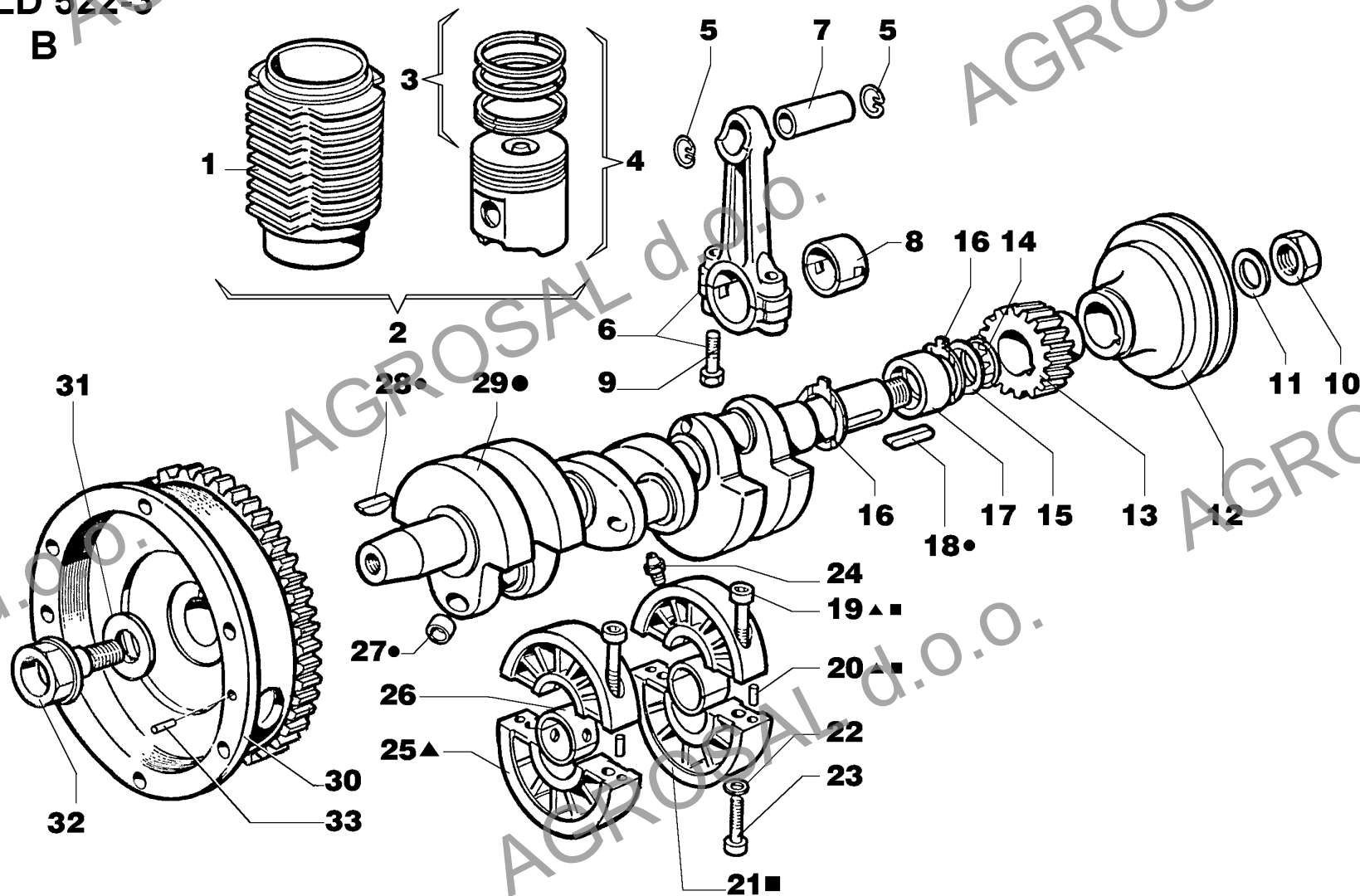
Group: 11LD 522-3

Engine: 11LD 522-3 Drawing: B

CONN.ROD/PISTON SET/CYLINDER/CRANKSHAFT/SUPPORTS/FLYWHEEL/START.PULLEY

POS.	CODE	DESCRIPTION	Qty
1	203R.079	cylinder	3
10	325R.019	nut	1
11	771R.030	washer	1
12	692R.077	pulley	1
13	469R.083	gear	1
14	579R.046	O-ring	1
15	777R.086	washer	2
16	060R.016	thrust ring	2
17	311R.003	main bearing std	1
17	311R.009	main bearing -0,25	1
18	498R.017	tab	1
19	9730.364	capscrew	4
2	A22R.078	kit cylinder-piston	3
20	8400.020	lockpin 6 X 12	4
21	880R.001	support	1
22	7625.012	washer diam. 8,4	4
23	9730.032	screw M 8 X 45	4
24	956R.042	valve	4
25	880R.004	support	1
26	A26R.055	supp.bearing std.	2
26	A26R.056	supp.bearing -0,25	2
26	A26R.057	supp.bearing -0,25	2
27	9080.132	plug diam. 6	6
28	498R.019	tab	1
29	A22R.075	crankshaft	1
3	8211.009	ring set std. (3 grooves)	3
30	980R.020	Flyweel	1
30	980R.023	"Flyweel (SAE 4 - 6""1/2) 3000 R.P.M."	1
30	980R.025	"Flyweel (SAE 4 - 7""1/2) 3000 R.P.M."	1
30	980R.028	Flyweel z=93	1
30	9881.497	"Flyweel (SAE 4 - 6""1/2) 1500-1800 R.P.M."	1
30	9881.498	"Flyweel (SAE 4 - 7""1/2) 1500-1800 R.P.M."	1
31	771R.049	washer	1
32	116R.001	bolt	1
32	116R.005	bolt	1
32	116R.061	bolt	1
33	841R.017	lockpin 7 X 16	2
4	A22R.076	piston	3
5	1160.053	ring	6
6	100R.043	connecting rod	3
7	854R.017	piston pin	3
8	A26R.038	big end bushing std.	3
8	A26R.042	big end bushing -0,25	3
8	A26R.043	big end bushing -0,50	3
9	989R.069	capscrew	6

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**LOMBARDINI**

A KOHLER COMPANY

Group: 11LD 522-3

Engine: 11LD 522-3 Drawing: F

COOLING SYSTEM

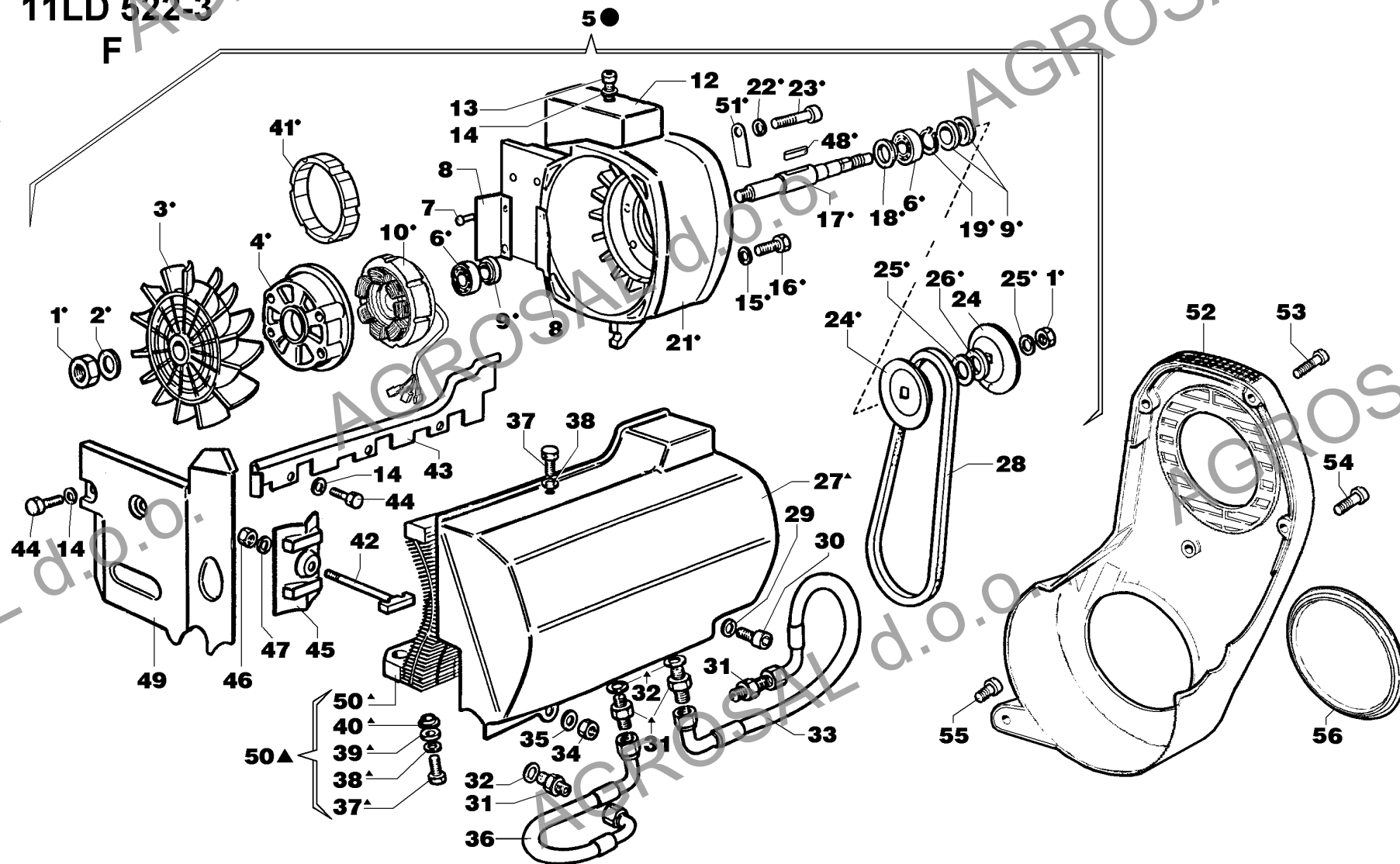
POS.	CODE	DESCRIPTION	Qty
01	3260.006	nut	2
02	7625.030	washer	1
03	968R.023	blower	1
04	880R.021	support	1
05	333R.025	diffuser	1
06	3003.044	roller bearing	2
07	742R.018	rivet	4
08	589R.004	gate	2
09	354R.099	spacer	3
10	014R.035	alternator	1
12	7870.043	housing	1
13	9730.032	screw M 8 X 45	1
14	771R.011	washer	2
15	772R.094	washer	3
16	9730.170	screw	3
17	602R.013	journal	1
18	354R.013	spacer	1
19	1240.084	snap ring	1
21	333R.023	diffuser	1
22	7625.008	washer diam. 6,4	1
23	9730.010	screw M 6 X 16	1
24	819R.001	half-pulley	2
25	837R.007	shim	2
26	837R.002	shim	3
27	2920.183	cylinder casing	1
28	2440.316	belt mm 875	1
29	772R.030	washer	1
30	9730.100	screw M 8 X 25	1
31	717R.069	union	4
32	754R.048	washer	4
33	949R.020	oil pipe	1
34	323R.003	nut	1
35	7625.316	washer	1
36	949R.021	oil pipe	1
37	989R.081	capscrew	3
38	7625.012	washer diam. 8,4	1
39	758R.038	washer	3
40	355R.007	spacer	3
41	2920.184	cylinder casing (with oil cooler)	1
42	926R.078	tie rod	2
43	589R.003	gate	1
44	1770.002	bolt M 8 X 1,25 X 16	5
45	589R.002	gate	2
46	3203.077	nut M 4	2
47	7625.052	washer	2
48	498R.038	tab	1
49	589R.001	gate	1
50	2920.184	cylinder casing (with oil cooler)	1
51	613R.076	safety plate	1
52	6927.542	belt guard	1
52	6927.556	belt guard for double belt application	1
53	9730.018	screw M 6 X 45	3
54	9730.032	screw M 8 X 45	1

COOLING SYSTEM

POS.	CODE	DESCRIPTION	Qty
55	9730.024	screw M 8 X 16	1
56	6927.149	guard	1

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**LOMBARDINI**

A KOHLER COMPANY

Group: 11LD 522-3

Engine: 11LD 522-3 Drawing: A

CRANKCASE/OIL SUMP/OIL DIPSTICK/FLANGING/MOUNTS/GASKET SET

POS.	CODE	DESCRIPTION	Qty
00	C25R.054	short block	1
01	A22R.074	overhaul gasket set	1
02	A22R.073	complete gasket set	1
03	2085.104	bell	1
06	8675.301	support	1
07	4601.191	gasket	1
08	9000.072	eXpansion plug	3
09	886R.064	plug	4
10	754R.044	washer	3
11	9080.083	plug	2
12	1511.128	crankcase	1
12	1511.129	crankcase (EPA version)	1
13	886R.069	plug	2
14	9732.074	screw M 8 X 20	4
15	233R.087	cover	1
16	4580.196	gasket	1
17	076R.065	oil dipstick	1
18	6780.068	stud M 8 X 18 (30)	6
19	451R.019	gasket	1
19	4601.191	gasket	1
20	241R.014	gear cover	1
21	956R.036	by-pass valve	2
22	449R.061	gasket	1
23	231R.095	cover	2
24	9730.010	screw M 6 X 16	2
25	688R.047	guard	1
26	711R.011	washer	11
27	9730.031	screw M 8 X 40	8
28	677R.011	stud M.8X38	1
29	323R.003	nut	1
30	8400.120	lockpin	1
31	722R.024	eXtra fuel adjusting screw	1
32	«-----»	plug - no longer avail.	1
33	399R.086	flange	1
34	579R.079	O-ring	1
35	886R.076	plug	1
36	717R.037	union	1
37	2175.201	oil filter cartridge	1
38	9731.040	screw M 8 X 60	1
39	676R.070	stud	2
40	6780.068	stud M 8 X 18 (30)	1
41	4770.012	gasket	1
42a	7625.008	washer diam. 6,4	1
42b	7625.012	washer diam. 8.4	4
43	9730.010	screw M 6 X 16	2
44	992R.024	screw M 10 X 25	1
45	7565.011	washer	12
45	763R.003	washer	12
46	1780.031	bolt M 10 X 1,5 X 25	11
47	625R.004	engine mount	4
48	9732.084	screw M 6 X 12	2
49a	4670.061	copper gasket diam.14	1
50	9040.012	plug M 14	1

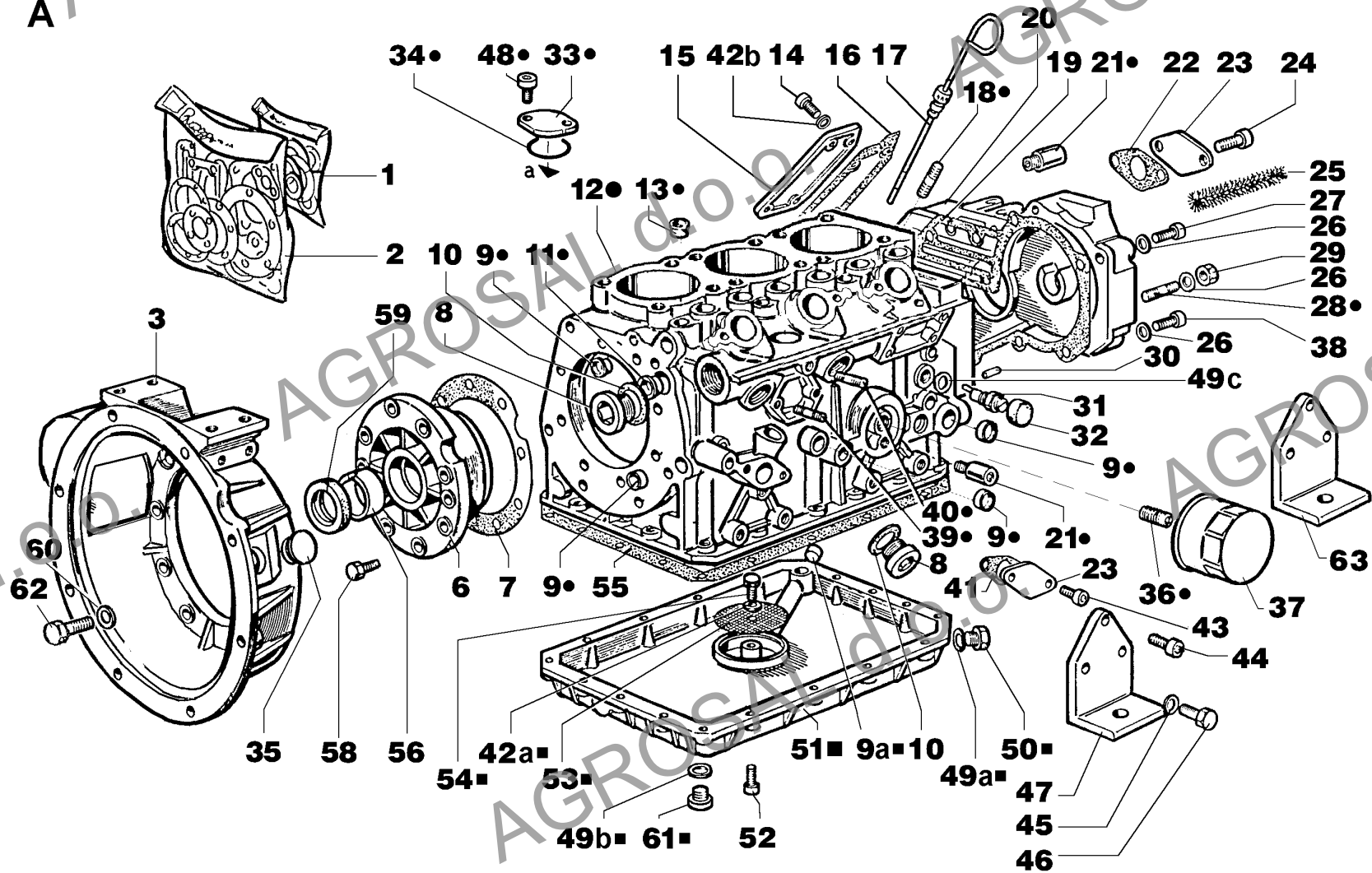
Group: 11LD 522-3

Engine: 11LD 522-3 Drawing: A

CRANKCASE/OIL SUMP/OIL DIPSTICK/FLANGING/MOUNTS/GASKET SET

POS.	CODE	DESCRIPTION	Qty
51	6645.650	oil sump	1
52	1760.138	screw	18
53	734R.076	net	1
54	1760.003	bolt M 6 X 1 X 12	1
55	4601.190	gasket	1
56	311R.003	main bearing std	2
56	311R.009	main bearing -0,25	2
58	1770.150	bolt M 8 X 1,25 X 22	8
59	054R.018	ring	2
60	5715.019	washer	7
61	8965.005	oil drain plug M 14	1
62	993R.069	capscrew	7
63	771R.001	washer diam. 5,3	2

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A



**LOMBARDINI**

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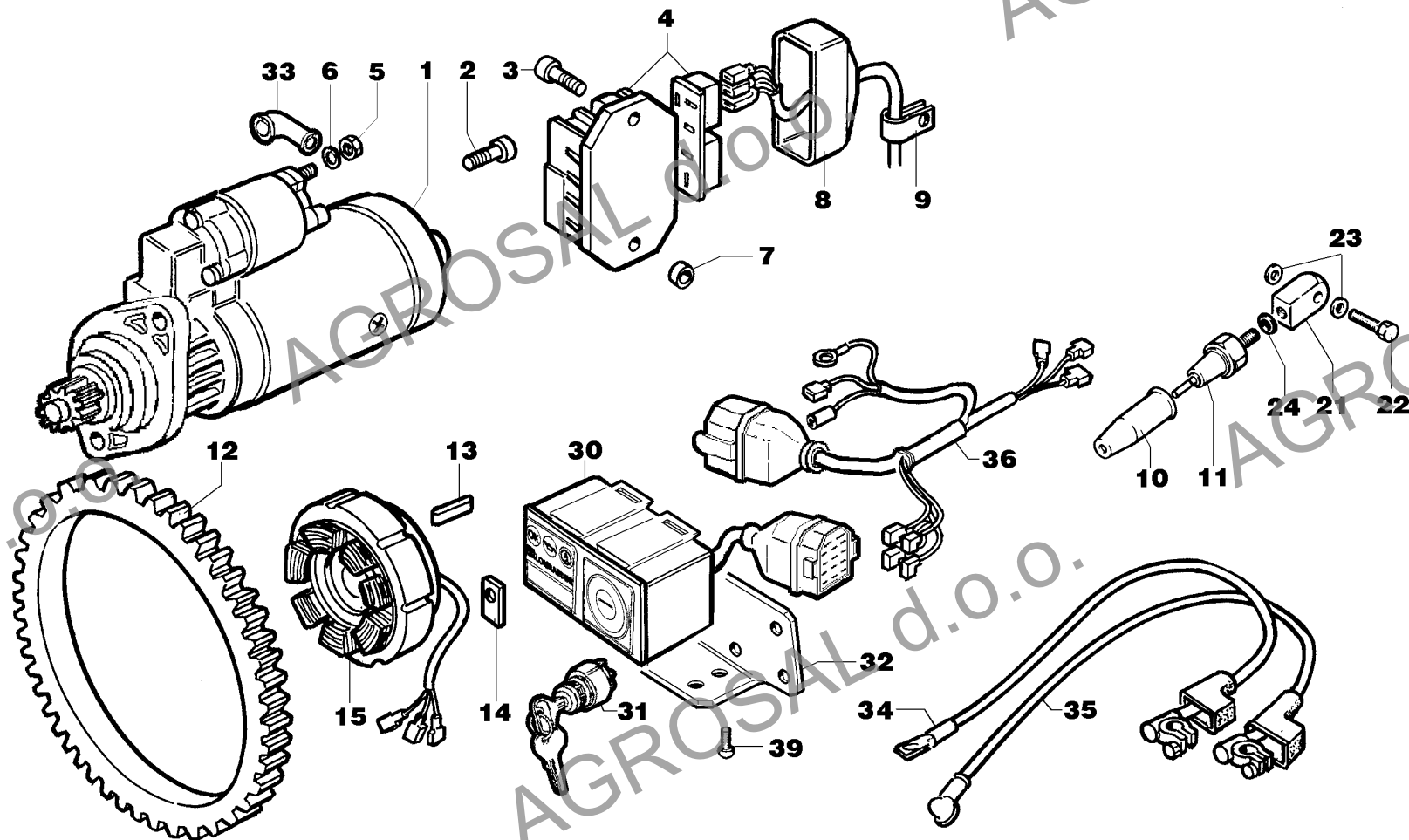
Group: 11LD 522-3

Engine: 11LD 522-3 Drawing: G

ELECTRICAL STARTING/ELECTRICAL EQUIPMENT

POS.	CODE	DESCRIPTION	Qty
01	5840.228	starting motor 12V	1
01	5840.235	starting motor 3 KW 24 V	1
02	9730.045	screw M 10 X 30	2
03	9732.063	screw M 8 X 35	2
04	7362.294	volt.regulator 12V 21A fitted for electronic tachometer - 6+W c	1
05	823R.003	nut	1
06	763R.002	washer	1
07	3525.117	spacer	2
08	2145.014	regulator cap	1
09	3617.016	clamp	2
10	6491.013	pipe elbow	1
11	674R.001	pressure switch	1
12	256R.022	crown gear	1
13	498R.038	tab	1
14	613R.076	safety plate	1
15	014R.035	alternator	1
21	612R.030	safety plate	1
22	1901.173	union	1
23	4670.058	copper gasket diam. 8,2X12X1,5	2
30	7245.417	dashboard 3 warning lights	1
31	5041.020	key switch	1
32	8506.130	bracket	1
33	6491.005	pipe elbow	1
34	187R.096	cable	1
35	187R.097	cable	1
36	2186.115	engine wires	1
39	9730.325	screw M 5 X 10	4

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G



**LOMBARDINI**

A KOHLER COMPANY

Group: 11LD 522-3

Engine: 11LD 522-3 Drawing: E

FUEL SYSTEM

POS.	CODE	DESCRIPTION	Qty
01	8101.032	fuel tank	1
02	9043.092	fuel tank cap	1
03a	3240.164	nut M 8	2
04	8865.196	support	1
05	8635.059	vibration-damping	2
06	3240.033	nut M 10	2
07a	7625.020	washer diam.10,5	2
08	3206.080	nut	2
09	7625.316	washer	2
10	1780.030	bolt M 10 X 1,5 X 20	2
11	8866.002	tank support	1
12	8960.012	buffer	2
13	7980.042	cup	2
14	6487.004	pivot	2
15	1901.032	union bolt M 14	2
16	4670.061	copper gasket diam.14	4
17	704R.010	feed pump rod	1
18	9730.031	screw M 8 X 40	2
19	9732.064	screw M 8 X 30	2
20	353R.034	spacer	2
21	613R.006	safety plate	1
22	7625.012	washer diam. 8,4	2
22a	7555.029	washer diam. 8	2
23a	323R.003	nut	3
24	3730.151	fuel filter	1
25	2175.046	fuel filter cartridge	1
26	9370.058	f.hose (mm 700)	1
27	1901.030	union bolt M 10	2
28	4670.059	copper gasket	4
29	<----->	fuel feeding pump	0
29a	6585.096	fuel feeding pump	1
30	<----->	gasket 0,80	0
30a	1200.087	O ring 3150	1
31	<----->	fuel pipe mm 650	0
31	9375.673	fuel pipe (mm 416)	1
31a	9374.036	fuel hose mm 360	1
32	937R.059	fuel pipe	1
33	450R.065	gasket	3
33	450R.066	gasket	3
33	450R.067	gasket	3
34	7215.035	tappet	3
34	7215.140	tappet	3
36	656R.060	injection pump	3
37	7265.008	union	3
38	1200.279	O ring	3
39	7470.003	filler	3
40	8335.029	washer seal	3
41	5755.034	spring	3
42	956R.043	valve	3
43	660R.024	pumping element	3
44	3203.099	nut	6
45	4670.060	copper gasket diam.12	6
46	1901.012	union bolt	3

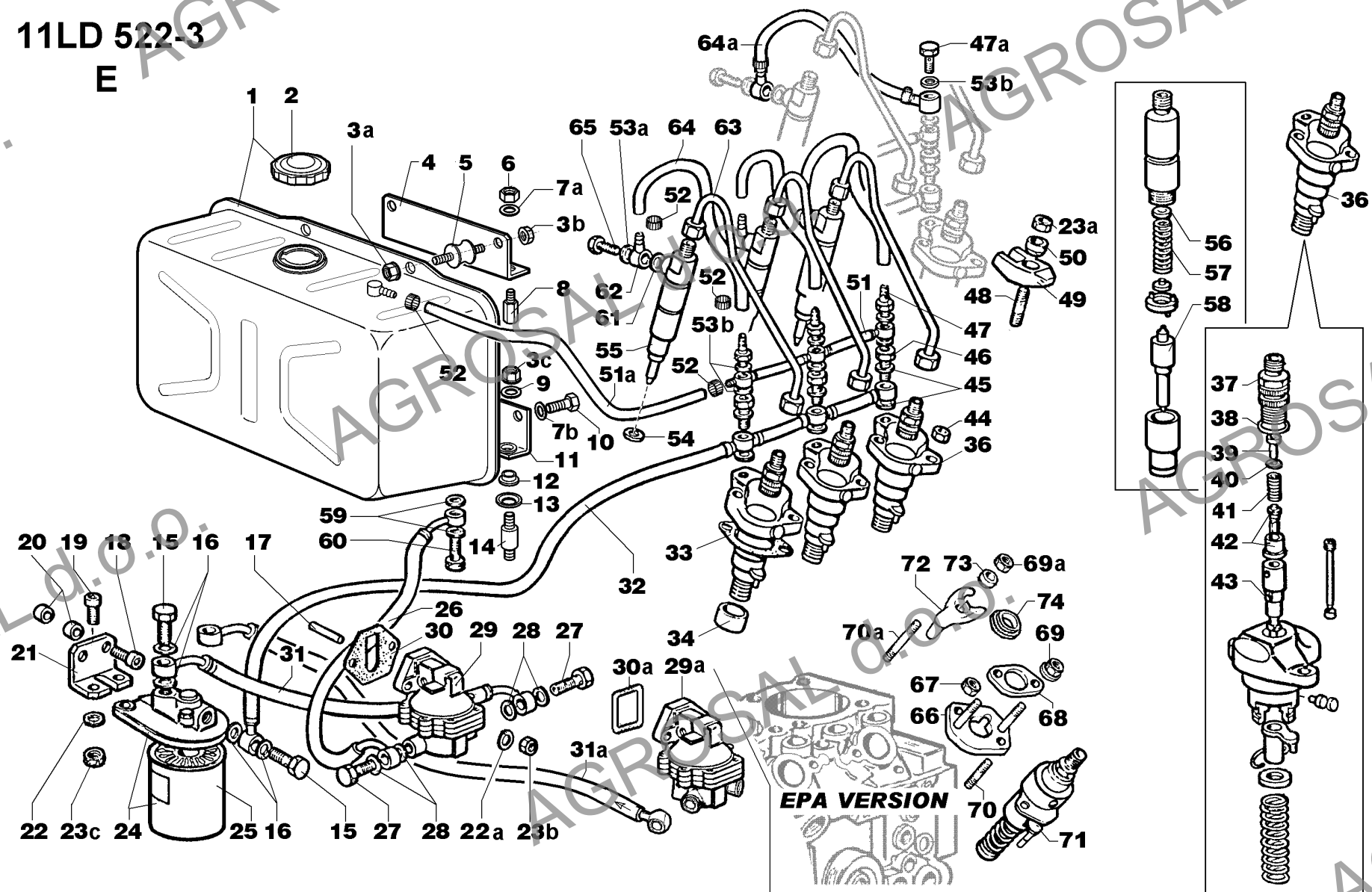
Group: 11LD 522-3

Engine: 11LD 522-3 Drawing: E

FUEL SYSTEM			
POS.	CODE	DESCRIPTION	Qty
47	«-----»	union	0
47a	716R.017	union	3
48	676R.088	stud	3
49	858R.094	brace	3
50	771R.097	washer	3
51	937R.082	dearetion pipe	1
51a	9375.788	bleeding pipe	1
52	3630.050	clamp dia 9-11	2
53a	4670.062	copper gasket diam. 6,2 X 10 X 1,5	3
53b	4670.058	copper gasket diam. 8,2X12X1,5	9
54	754R.035	washer	3
54	754R.051	washer	3
55	5010.060	nozzle Stanadyne (EPA version)	3
55	644R.047	nozzle-holder Stanadyne	3
55	644R.056	nozzle-holder Bosch	3
56	837R.030	shim	3
56	837R.035	shim	3
56	837R.041	shim	1
57	540R.079	spring	3
58	«-----»	nozzle Bosch - see Pos. E 08	0
58	644R.068	nozzle Stanadyne	3
58	6531.549	nozzle Stanadyne (EPA version)	3
59	4670.059	copper gasket	2
60	1901.045	union bolt M 10	1
61	754R.050	washer	3
62	«-----»	banjo union diam. 6	0
63	9376.022	injection fuel pipe (EPA version)	3
63	944R.072	injection fuel pipe	3
64	«-----»	purge hose	0
64a	9571.252	purge hose	2
65	7260.053	connection EPA version	3
66	«-----»	flange	0
69a	323R.003	nut	3
70	«-----»	stud M 8 X 18 (30)	0
70a	6780.164	stud M 8 X 55	3
71	6590.381	injection pump (EPA version)	3
72	8546.103	brace	3
73	771R.097	washer	3
74	7701.259	washer	3

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E



**LOMBARDINI**

A KOHLER COMPANY

Group: 11LD 522-3

Engine: 11LD 522-3 Drawing: D

INTAKE/EXHAUST/CYLINDER HEAD/ROCKER ARM BOX/VALVES

POS.	CODE	DESCRIPTION	Qty
01	323R.003	nut	2
01a	3240.165	nut M 8	6
02	763R.002	washer	2
03	3815.013	exh.flange h=7,5	1
04	4501.118	gasket	1
05	576R.070	stud	2
06	6780.086	stud M 8 X 65 (77)	3
07	772R.002	washer	12
08	326R.038	nut	8
09	«-----»	valve guide	0
09	464R.077	valve guide	6
10	059R.068	ring	6
11	4535.015	valve retainer	6
12	6400.098	retainer	6
13	540R.077	spring	6
14	602R.003	journal	6
15	4670.088	copper gasket 18X24X1	6
16	6400.101	retainer	6
17	809R.004	cotter	12
18	104R.040	rocker arm	3
19	4400.087	gasket	3
20	233R.082	rocker arm cover	3
21	9732.078	screw M 6 X 25	9
22	104R.039	rocker arm	3
23	323R.007	nut	6
24	726R.003	setscrew	6
25	323R.003	nut	2
26	8506.003	engine lifting eye	2
27	326R.050	nut	2
28	072R.001	push rod	6
29	3206.080	nut	2
30	9730.035	screw M 8 X 65	3
31	9732.064	screw M 8 X 30	3
32	211R.062	intake manifold	1
33	1770.006	bolt M 8 X 1,25 X 25	1
34	1770.009	bolt M 8 X 1,25 X 35	1
35	451R.027	gasket	1
36	7565.007	washer diam. 8	4
37	9732.074	screw M 8 X 20	2
38	060R.023	ring	1
39	579R.059	O-ring	1
40	«-----»	ring	0
41	359R.025	filter element	1
42	388R.078	air cleaer	1
45	451R.091	gasket	1
46	949R.077	oil pipe	1
47	717R.067	union	1
48	919R.052	complete cylinder head	3
48	A22R.063	cyl. head with guid.	3
49	1200.006	O-ring	12
50	940R.032	protection pipe	6
51	203R.079	cylinder	3
52	«-----»	gasket	0

Group: 11LD 522-3

Engine: 11LD 522-3 Drawing: D

INTAKE/EXHAUST/CYLINDER HEAD/ROCKER ARM BOX/VALVES

POS.	CODE	DESCRIPTION	Qty
53	960R.058	intake valve	3
54	060R.003	inlet v.seat	3
54	060R.029	inlet v.seat	3
55	060R.004	eXhaust v.seat	3
55	060R.028	eXhaust v.seat	3
56	960R.059	eXhaust valve	3
57	4730.884	gasket 1,15	3
57	4730.885	gasket 1,20	3
57	4730.886	gasket 1,25	3
57	4730.887	gasket 1,30	3
57	4730.888	gasket 0,80	3
57	4730.889	gasket 0,85	3
57	4730.890	gasket 0,90	3
57	4730.891	gasket 0,95	3
57	4730.892	gasket 1,00	3
57	4730.893	gasket 1,05	3
57	4730.894	gasket 1,10	3
58	684R.029	stud	12
59	451R.024	gasket	3
60	6780.016	stud M 8 X 28 (40)	3
61	2486.429	eXhaust manifold	1
62	9032.095	charging oil plug	1
63	758R.039	washer	1
64	233R.084	rocker arm cover with hole for oil filler	1

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D

