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MAN B&W L60MC ,S60MC ,MC-C MAIN ENGINE		
Drawing NO.	Part NO.	Name
90101	18	cylinder cover
90101	31	cover
90101	43	cooling jacket
90101	55	cylinder cover
90101	59	gasket od.660xid.624x1mm
90101	67	cylinder cover(ccs certificate)
90101	74	venting screw
90101	79	cylinder cover(ccs certificate)
90101	80	flange
90101	92	cylinder cover
90101	102	cylinder cover(ccs certificate)
90101	114	cooling jacket
90101	126	gasket
90101	138	cooling jacket
90101	151	flange
90101	163	o-ring(nbr)
90101	175	cooling pipe(length=112mm)
90101	187	hydraulic nut
90101	199	nut
90101	209	screw
90101	210	disc
90101	222	disc
90101	234	guide pin
90101	246	guide pin
90101	258	housing
90101	271	nut
90101	283	nut
90101	295	stud for fuel valve
90101	305	pipe for fuel valve
90101	317	pipe branch
90101	329	gasket
90101	126A	gasket od.660xid.624x1mm
90101	126B	gasket
90101	126C	gasket
90101	138B	gasket od.660xid.624x1mm
90101	18A	washer

90101	18B	liner
90101	31A	nut
90101	31B	nut
90101	43A	stud for starting vlave(M24X223)
90101	43B	stud for starting valve(M20X380)
90101	H1	protective cap
90101	H2	o-ring(nbr)
90101	H4	gasket
90101	H4A	gasket od.660xid.624x1mm
90101	H4B	gasket
90102	13	hydraulic ring complete
90102	25	hydraulic ring complete
90102	37	spherical washer-concave
90102	49	disc
90102	50	inner nut(m100)
90102	62	protection cover
90102	74	venting screw
90102	86	internal nut
90102	98	hydr.tightening ring
90102	108	o-ring with back-up ring
90102	121	o-ring with back-up ring
90102	133	o-ring with back-up ring
90102	145	hydr.tightening ring
90102	169	ext. nut(m120X6)
90102	170	disc
90102	108A	o-ring with back-up ring
90102	108B	o-ring with back-up ring
90102	121A	o-ring with back-up ring
90102	121B	o-ring with back-up ring
90102	133A	o-ring with back-up ring
90102	133B	o-ring with back-up ring
90102	K170	disc
90103	19	extension
90103	20	gasket
90103	32	gasket
90103	44	gasket
90103	56	plug screw
90103	68	gasket
90103	81	chain
90103	93	locking nut
90103	103	eye screw
90103	127	extension
90103	139	gasket

90103	140	screw
90103	152	nut
90103	164	indicator valve complete
90103	176	flange
90103	188	extension
90103	223	screw
90103	235	extension
90201	11	screw
90201	19	shim for piston
90201	20	screw
90201	23	locking washer
90201	35	locking wire
90201	47	locking wire
90201	59	piston ring(600x11x20mm,right cut),spr-s2
90201	60	disc
90201	72	d-ring(viton)
90201	84	cooling pipe
90201	96	cooling pipe
90201	106	o-ring(viton)
90201	118	locking wire
90201	121	screw
90201	131	d-ring(viton)
90201	131	screw
90201	143	cooling oil pipe
90201	155	d-ring(viton)
90201	167	cooling pipe
90201	179	d-ring(viton)
90201	180	piston skirt
90201	192	d-ring(viton)
90201	202	d-ring(viton)
90201	226	piston skirt
90201	251	screw
90201	106A	o-ring(viton)
90201	106B	o-ring(viton)
90201	131(M12)	screw
90201	131(M16)	screw
90201	131A	screw
90201	131B	screw
90201	143B	screw
90201	143C	screw
90201	167A	shim
90201	167C	shim 30mm for piston rod
90201	179A	screw

90201	179B	screw
90201	1A	piston rod and components
90201	23(for M12)	locking washer
90201	23A	special washer m8 x 16 x 2.5mm
90201	23B	special washer m8 x 16 x 2.5mm
90201	59A	piston ring(600x11x20mm,right cut),spr-s2
90201	59C	piston ring r.h. rm5t-alt.
90201	60A	piston ring r.h.rm5t-alt. 14mm
90201	60A	piston ring(600x11x20mm,left cut)
90201	60C	piston ring l.h. rm5t-alt.
90201	72A	piston crown(new,ccs cert)
90201	72A	piston ring l.h.rm5t-alt. 14mm
90201	72B	piston crown(new,ccs cert)
90201	72B	piston crown(new,ccs certificate)
90201	84A	piston crown(new,ccs cert)
90201	96A	piston ring l.h. rm5t-alt.
90201	H1	special washer m8 x 16 x 2.5mm
90201	H2	locking plate
90201	H3	screw
90201	H3A	screw
90201	H3B	screw
90201	K118	piston skirt
90205	13	locking washer
90205	16	o-ring(nbr)
90205	25	nut
90205	37	locking plate
90205	49	cover sealing ring(with spring)
90205	50	o-ring(nbr)
90205	62	nut
90205	74	locking nut
90205	86	cover sealing ring(with spring)
90205	98	flange
90205	108	flange
90205	121	guide pin
90205	133	guide pin
90205	145	spring pin
90205	157	fitted bolt
90205	169	scraper ring,complete
90205	170	fitted bolt
90205	182	fitted bolt
90205	194	scraper ring,complete
90205	204	lamella(3pcs/set)
90205	216	scraper ring,complete

90205	228	screw
90205	241	spring
90205	253	spring
90205	289	scraper ring(with lamella, spring)
90205	568	locking washer
90205	H2	spring
90205	H4	scraper ring, complete
90302	10	cooling jacket
90302	22	clamp
90302	34	o-ring(viton)
90302	46	cylinder liner
90302	58	clamp
90302	71	clamp
90302	83	non-return valve, complete
90302	95	cooling jacket
90302	102	o-ring(nbr)
90302	105	clamp
90302	117	cooling pipe
90302	126	gasket od.660xid.624x1mm
90302	129	clamp
90302	130	cooling water connection
90302	142	cooling jacket
90302	154	cylinder liner(ccs certificate)
90302	166	cooling pipe
90302	178	cooling pipe
90302	191	cooling jacket
90302	201	cooling pipe
90302	204	spring
90302	213	clamp
90302	216	spring
90302	225	o-ring(nbr)
90302	237	cooling pipe
90302	249	plug screw
90302	250	gasket
90302	914	o-ring(viton)
90302	129A	cylinder liner cast in tubes
90302	129B	cylinder liner(ccs certificate)
90302	129D	cylinder liner (slim neck), ccs cert
90302	H1	clamp
90302	H2	cooling water pipe(length=107mm)
90302	K10	cylinder liner(ccs certificate)
90304	23	non-return valve
90304	59	non-return valve, complete

90305	17	coupling complete
90305	29	screw
90305	30	screw
90305	42	coupling complete
90305	54	lock-nut
90305	66	nut
90305	78	nut
90305	91	washer
90305	101	fitted bolt
90305	101	fitted bolt
90305	113	nut
90305	125	nut
90305	137	washer
90305	149	fitted bolt
90305	150	cyl.lub.spring disc
90305	162	screw
90305	186	nut
90305	198	nut
90305	208	locking nut
90305	221	screw
90305	233	fitted bolt
90305	245	nut
90305	257	lock-nut
90305	269	nut
90305	270	locking washer
90305	282	disc
90305	294	cyl.lub.spring disc
90305	304	screw
90305	316	fitted bolt
90305	328	cyl.lub.spring disc
90305	341	screw
90305	365	screw
90305	377	guide pin
90307	80	sealing ring
90307	271	o-ring(viton)
90307	305	o-ring(viton)
90307	329	o-ring(viton)
90307	342	o-ring(viton)
90307	498	o-ring(viton)
90307	508	o-ring(viton)
90309	19	stud
90309	20	nut
90309	81	screw

90309	93	coupling
90309	103	connection
90309	115	quick coupling,minimess
90309	139	pipe holder
90309	152	coupling
90309	164	coupling
90309	176	screw
90309	188	distributor block
90309	211	sealing ring
90309	223	distributor block
90309	235	distributor block
90309	247	screw
90309	272	screw
90309	296	quick coupling,minimess
90309	343	coupling
90309	367	screw
90704	0	starting valve,complete
90704	10	o-ring
90704	16	plug screw
90704	28	cover
90704	41	nut
90704	53	cover
90704	65	bushing
90704	77	bush
90704	89	bushing
90704	90	bush
90704	100	cover
90704	112	bushing
90704	124	cup point screw
90704	136	bushing
90704	148	o-ring
90704	161	bushing
90704	173	valve spindle
90704	185	o-ring
90704	197	valve spindle
90704	823	spring
90704	914	cooper washer
90704	100A	valve spindle
90704	100B	valve spindle
90704	112A	bushing
90704	112B	o-ring
90704	112C	o-ring
90704	16A	plug screw

90704	185A	o-ring
90704	185B	o-ring
90704	28A	cover
90704	28B	cover
90704	41A	locking plate
90704	41B	locking plate
90704	53A	special screw
90704	53B	special screw
90704	65A	nut
90704	65B	piston
90704	77A	distance piece
90704	77B	spring
90704	89A	bushing
90704	89B	bushing
90704	ASSY	starting valve complete
90801	13	cover
90801	19	gasket
90801	25	cover
90801	37	gasket
90801	49	exhaust valve housing
90801	50	cover
90801	62	flange
90801	74	bottom piece
90801	77	fuel valve head m42 x 2
90801	86	o-ring(viton)
90801	87	o-ring(viton)
90801	98	bottom piece
90801	108	disc
90801	121	disc
90801	133	conical ring in 2/2
90801	145	guide pin
90801	157	bottom piece
90801	169	air cylinder
90801	170	hex. head plug screw
90801	182	air piston
90801	194	ball cock
90801	204	flange
90801	216	exhaust valve housing
90801	225	hydraulic pipe complete
90801	228	cover
90801	241	cup point screw
90801	253	flange
90801	265	gasket

90801	277	exhaust valve spindle
90801	289	flange
90801	290	flange
90801	300	air cylinder
90801	312	o-ring(viton)
90801	324	exhaust valve seat
90801	336	liner for spindle guide(material:c4)
90801	348	gasket
90801	361	o-ring(viton)
90801	373	guide ring
90801	385	sealing ring
90801	397	gasket
90801	407	o-ring(viton)
90801	419	gasket
90801	420	disc
90801	432	screw
90801	444	cooling water connection
90801	456	piston,complete
90801	468	air piston
90801	481	flange
90801	482	non return valve
90801	503	damper piston
90801	515	piston
90801	526	o-ring(viton)
90801	527	flange
90801	539	disc(height=17.5mm)
90801	540	oil cylinder
90801	564	cup point screw
90801	576	o-ring(viton)
90801	588	flange
90801	611	rotation check rod
90801	623	o-ring(nbr)
90801	635	flange
90801	647	bush(material:c3)
90801	659	gasket
90801	660	spring
90801	672	gasket
90801	684	circlip
90801	696	gasket
90801	706	cooling water connection
90801	718	non return valve
90801	731	flange
90801	743	gasket

90801	755	hex. head plug screw
90801	767	ball cock
90801	779	pin
90801	780	guide
90801	792	gasket
90801	802	screw
90801	814	cover
90801	826	exhaust valve spindle
90801	838	exhaust valve housing
90801	851	spring retainer
90801	863	o-ring(viton)
90801	875	exhaust valve seat
90801	887	o-ring(viton)
90801	899	conical ring in 2/2
90801	900	o-ring(viton)
90801	909	non return valve
90801	312A	o-ring(viton)
90801	312B	o-ring(viton)
90801	336(O)	o-ring(viton)
90801	336(U)	sealing ring(u-cup)
90801	336A	sealing ring(u-cup)
90801	336B	o-ring(viton)
90801	336-u	sealing ring(u-cup)
90801	373SP	spring
90801	373-SP	spring
90801	611B	sealing ring
90802	2	screw
90802	5	coupling
90802	6	non return valve
90802	8	coupling
90802	9	coupling
90802	19	sealing air control unit
90802	32	o-ring(viton)
90802	56	screw
90802	81	o-ring(viton)
90802	93	o-ring(viton)
90802	103	o-ring(viton)
90802	104	pressure spring
90802	105	o-ring(viton)
90802	106	o-ring(viton)
90802	107	o-ring(viton)
90802	108	o-ring(viton)
90802	112	gasket

90802	115	cover
90802	127	o-ring(viton)
90802	139	o-ring(viton)
90802	140	valve spindle
90802	152	filter, complete
90802	164	gasket
90802	176	valve housing
90802	188	coupling
90802	235	non return valve
90802	247	coupling
90802	259	screw
90802	260	o-ring(viton)
90802	302	o-ring(viton)
90802	909	non return valve
90802	B03	filter plate inside
90802	B05	spring
90803	14	eye bolt
90803	26	screw
90803	38	eye bolt
90803	51	gasket
90803	63	gasket
90803	75	gasket
90803	87	air piston
90803	99	gasket
90803	109	oil cylinder
90803	110	disc
90803	122	lock washer
90803	134	air piston
90803	146	hex. head plug screw
90803	158	air piston
90803	171	eye bolt
90803	183	hex. head plug screw
90803	195	lifting attachment
90803	205	gasket
90803	217	gasket
90803	217	screw
90803	229	cup point screw
90803	230	disc
90803	242	conical ring in 2/2
90803	254	air piston
90803	266	disc
90803	278	disc
90803	291	guide ring

90803	301	o-ring(viton)
90803	301	sealing ring
90803	313	disc
90803	325	air cylinder
90803	337	lock washer
90803	349	conical ring in 2/2
90803	350	lock washer
90803	362	air cylinder
90803	374	conical ring in 2/2
90803	386	disc
90803	398	conical ring in 2/2
90803	408	conical ring in 2/2
90803	421	guide ring
90803	433	air piston
90803	445	piston
90803	457	cup point screw
90803	469	air cylinder
90803	470	non return valve
90803	482	cup point screw
90803	494	pin
90803	504	guide
90803	516	gasket
90803	528	disc
90803	541	o-ring(nbr)
90803	553	piston ring
90803	565	disc
90803	577	damper piston
90803	589	non return valve
90803	590	piston
90803	600	damper piston
90803	612	spring
90803	624	piston
90803	636	disc(height=17.5mm)
90803	648	non return valve
90803	661	piston,complete
90804	21	gasket
90804	33	o-ring(viton)
90804	45	safety valve
90804	905	o-ring(viton)
90804	90804-86-52	plug screw
90804	90804-86-64	circlip
90804	90804-86-76	set screw with dog point
90805	15	exhaust roller guide complete

90805	27	oil cylinder
90805	39	roller guide
90805	40	pin for roller
90805	52	lock washer
90805	64	circlip
90805	76	plate round(height=30.5mm)
90805	88	bushing
90805	111	bushing
90805	123	plug screw
90805	135	circlip
90805	147	bushing roller guide
90805	159	bushing
90805	160	oil cylinder
90805	172	bushing for roller guide
90805	184	guide block
90805	196	guide pin
90805	206	guide block
90805	218	guide pin
90805	231	screw
90805	243	bushing
90805	255	circlip
90805	267	disc
90805	279	oil cylinder
90805	280	bushing
90805	292	helical spring
90805	302	disc
90805	314	guide block
90805	326	guide pin
90805	338	guide block
90805	351	bushing for roller guide
90805	363	bushing,complete
90805	375	screw
90805	387	guide pin
90805	399	locking washer
90805	409	guide pin
90805	410	gasket
90805	422	piston ring
90805	434	disc
90805	446	lifting arm
90805	458	stud
90805	471	guide pin
90805	483	lifting arm
90805	495	guide pin

90805	505	nut
90805	517	guide pin
90805	530	o-ring(nbr)
90805	542	housing
90805	554	spindle
90805	566	spring
90805	578	piston
90805	591	lock washer
90805	601	nut
90805	613	sealing ring
90805	625	screw
90805	637	gasket
90805	649	reducing socket
90805	650	puncture valve,complete
90805	90805-28-4400	o-ring(nbr)
90805	90805-52K-160	oil cylinder
90805	90805-52K-172	piston ring
90806	10	sealing disc
90806	22	o-ring(nbr)
90806	34	non-return valve,complete
90806	46	clamp
90806	58	nut
90806	71	non return valve complete
90806	83	support
90806	95	o-ring(nbr)
90806	105	coupling
90806	117	drain pipe
90806	129	clamp
90806	130	spindle
90806	142	nut
90806	154	cap nut-roind
90806	166	gasket
90806	178	coupling
90806	191	hose complete
90806	201	screwed connection
90806	213	safety valve, complete
90806	225	safety valve, complete
90806	237	hydraulic pipe,complete
90806	249	gasket
90806	250	gasket
90806	262	thrust bushing
90806	274	plug screw
90806	286	gasket

90806	298	screw
90806	308	high-pressure pipe, complete
90806	321	hydraulic pipe
90806	333	flexible hose, complete
90806	357	throttle valve, complete
90806	369	housing
90806	370	spindle
90806	382	nut
90806	416	screw
90806	428	clamp
90806	916	gasket
90806	1343	gasket
90806	2233	o-ring
90806	2500	o-ring
90807	4	o-ring(nbr)
90810	12	screw
90810	24	gasket
90810	36	screw
90810	48	plug screw
90810	61	gasket
90810	73	screw
90810	107	nut
90810	119	gasket
90810	120	screw
90810	132	compensator dn40
90810	144	compensator cooling water(dn50)
90810	168	nut
90810	181	butterfly valve(dn:50)
90810	193	stud
90810	203	gasket
90810	215	ball valve
90810	227	nut
90810	239	gasket
90810	252	compensator cooling water(dn50)
90810	276	screw
90810	311	nut
90810	323	butterfly valve(dn:50)
90810	335	screw
90810	359	screw
90810	384	butterfly valve(dn:40)
90810	396	screw
90810	406	gasket
90810	431	o-ring(nbr)

90810	455	screw
90862	53	o-ring with back-up ring
90862	65	o-ring with back-up ring
90862	90862-14-16	o-ring with back-up ring
90862	90862-14-28	o-ring with back-up ring
90862	90862-27-16	o-ring with back-up ring
90862	90862-27-28	o-ring with back-up ring
90862	90862-27-28H	o-ring with back-up ring
90862	90862-27M-16	o-ring with back-up ring
90862	90862-27M-28	o-ring with back-up ring
90862	90862-48-53	o-ring with back-up ring
90862	90862-48-65	o-ring with back-up ring
90862	90862-7-16	o-ring with back-up ring
90862	90862-7-28	o-ring with back-up ring
90862	90862-7A-16	o-ring with back-up ring
90862	90862-7A-28	o-ring with back-up ring
90862	90862-7M-16	o-ring with back-up ring
90862	90862-H7-16	o-ring with back-up ring
90862	90862-H7-28	o-ring with back-up ring
90901	0	fuel pump complete
90901	17	guide bushing
90901	29	gasket
90901	30	connecting piece
90901	42	gasket
90901	54	plug screw
90901	66	gasket
90901	78	gasket
90901	91	guide bushing
90901	101	sleeve
90901	113	gasket
90901	125	guide pin
90901	137	banjo couplings
90901	149	plug screw
90901	150	guide pin
90901	162	banjo coupling
90901	174	drain pipe
90901	186	guide pin
90901	198	gasket
90901	208	gasket
90901	221	gasket
90901	223	throttle plug
90901	233	cup point screw
90901	245	banjo couplings

90901	257	back-up ring
90901	269	guide bushing
90901	270	cup point screw
90901	282	cylindrical pins
90901	294	gasket
90901	304	banjo coupling
90901	316	felt ring
90901	328	locking washer
90901	336	washer
90901	341	nut
90901	353	back-up ring
90901	365	o-ring(viton)
90901	377	back-up ring
90901	389	nut
90901	390	gasket
90901	400	sealing ring
90901	412	helical spring r.h.
90901	424	plunger and barrel complete(plunger dia=57mm)
90901	436	fuel pump complete
90901	448	barrel complete
90901	461	flexible connection,complete
90901	473	liner(plunger dia=51mm)
90901	485	o-ring(viton)
90901	497	cone
90901	507	cover
90901	519	o-ring(viton)
90901	520	sealing bush complete
90901	532	pump barrel
90901	544	air piston
90901	556	gasket
90901	568	back-up ring(plunger dia: Φ 51)
90901	581	cover
90901	593	sealing ring
90901	603	air piston
90901	615	back-up ring(plunger dia: Φ 51)
90901	627	cover
90901	639	cone
90901	640	cone
90901	652	gasket
90901	664	air piston
90901	676	felt ring
90901	688	housing-puncture valve
90901	711	nut

90901	723	forked head
90901	735	gasket
90901	747	oil pump plunger
90901	759	suction valve,complete
90901	760	banjo coupling
90901	772	plug screw
90901	784	packing
90901	796	pipe
90901	806	puncture & suction valve,complete
90901	818	spacer ring
90901	831	spacer ring
90901	843	o-ring(viton)
90901	855	screw
90901	867	protective cap
90901	879	pipe union
90901	892	banjo coupling
90901	901	guide bushing
90901	902	guide bushing
90901	914	plate-round
90901	927	gasket
90901	221B	gasket
90901	316A	screw
90901	328B	locking washer
90901	400A	spring guide
90901	400B	spring guide
90901	412A	helical spring r.h.
90901	412B	spring
90901	424A	sealing ring
90901	424B	sealing ring
90901	436A	suction v/v. m68x2 dia.57mm
90901	448A	slide
90901	448B	slide
90901	448HHM	pump plunger&barrel
90901	507-KIT	seal kit for plunger & barrel
90901	520A	sealing ring
90901	520B	sealing ring (plunger dia:Φ63)
90901	652/KI	seal kit for puncture valve
90901		fuel p/p barrel,plunger&hsg

90902	12	distance pipe
90902	24	guide for reversing
90902	36	distance pipe
90902	48	3/2 way valve
90902	61	protective cap
90902	73	distance pipe
90902	85	banjo coupling
90902	97	bush
90902	107	bolt
90902	119	arr of reversing mech
90902	120	flange for air cylinder
90902	132	nut
90902	144	plate round(height=30.5mm)
90902	156	bush
90902	168	plug
90902	181	base plate
90902	193	nut
90902	203	spring external
90902	215	link for reversing
90902	227	guide pin
90902	239	circlip
90902	240	air cylinder
90902	252	pin
90902	253	spring external
90902	264	guide pin
90902	276	plate round(height=30.5mm)
90902	288	circlip
90902	311	bushing
90902	323	guide pin
90902	335	shaft pin for roller
90902	347	nut
90902	359	air cylinder
90902	360	bushing
90902	372	cap
90902	384	locking nut
90902	396	ball valve
90902	406	coupling
90902	418	scraper ring axial
90902	431	bushing
90902	443	air cylinder
90902	445	link for reversing
90902	455	bushing
90902	467	bushing

90902	479	arm for reversing
90902	480	ball valve
90902	492	coupling
90902	502	plug screw
90902	514	bushing - roller guide
90902	526	bushing
90902	538	bushing
90902	551	cover
90902	563	f.p. roller guide complete
90902	575	guide pin
90902	587	roller
90902	599	guide pin
90902	609	guide block
90902	610	screw
90902	622	bushing - roller guide
90902	634	guide pin
90902	646	plug screw
90902	658	pump base
90902	671	sealing bushing,complete
90902	683	circlip
90902	695	plug
90902	705	fuel pump roller complete
90902	717	guide bushing
90902	729	cup point screw
90902	730	guide pin
90902	742	bushing for roller guide
90902	754	screw
90902	766	guide block
90902	801	screw
90902	2028	o-ring(nbr)
90902	240/C	air cylinder
90902	359A	air cylinder
90902	443A	set screw with dog point
90903	18	o-ring(nbr)
90903	19	o-ring(nbr)
90903	20	o-ring(nbr)
90903	31	screw
90903	43	nut
90903	55	flange
90903	67	guide pin
90903	79	flange
90903	80	o-ring
90903	92	spring pin

90903	102	o-ring
90903	107	o-ring
90903	114	shaft
90903	138	washer
90903	151	gasket
90903	163	screw
90904	0	shock absorber complete
90904	13	gasket
90904	25	housing shock absorber
90904	37	flange
90904	49	gasket
90904	50	gasket
90904	62	gasket
90904	74	lock washer
90904	86	gasket
90904	96	pressure spring external
90904	98	pressure spring external
90904	108	pressure spring external
90904	121	gasket
90904	133	gasket
90904	145	flange
90904	157	bottom flange
90904	169	gasket
90904	170	gasket
90904	182	gasket
90904	194	housing shock absorber
90904	204	piston
90904	216	screw
90904	228	flange
90904	241	gasket
90904	253	piston complete
90904	265	bracket
90904	277	screw
90904	289	actuator
90904	290	actuator
90904	300	screw
90904	312	bracket
90904	324	guide screw
90904	336	toothed rack for regulation
90904	348	actuator
90904	361	banjo coupling
90904	366	toothed rack for regulation
90904	373	felt ring

90904	385	forked head
90904	397	guide screw
90904	407	banjo coupling
90904	419	actuator
90904	420	screw
90904	432	forked head
90904	444	forked head
90904	456	adjusting screw
90904	468	hex nut
90904	481	circlip
90904	493	forked head
90904	503	forked head
90904	515	hex nut
90904	527	adjusting screw
90904	539	forked head
90904	540	buffer pointer
90904	552	union nut
90904	564	back-up ring
90904	576	thrust piece
90904	588	disc spring
90904	611	flange
90904	623	locking washer
90904	635	screw
90904	659	circlip
90904	660	shaft
90904	672	hex nut
90904	684	adjusting screw
90904	696	forked head
90905	19	shaft
90905	20	guide for reversing
90905	32	distance pipe
90905	44	nut
90905	56	protective guard
90905	68	screw
90905	93	cover
90905	103	screw
90905	115	bolt
90905	127	flange for air cylinder
90905	139	arr of reversing mech
90905	152	screw
90905	164	bushing
90905	176	air cylinder
90905	211	screw

90905	235	ball valve
90905	247	branch pipe
90905	259	nut
90905	272	coupling
90905	284	orifice plate
90905	296	non-return valve
90905	306	lock nut
90905	318	safety valve
90910	0	fuel valve
90910	16	nozzle
90910	28	fuel valve head m36 x 2
90910	41	fuel valve holder
90910	53	guide pin
90910	65	fuel valve head m42 x 2
90910	77	fuel valve head m36 x 2
90910	89	guide pin
90910	90	circlip
90910	100	guide pin
90910	112	circlip
90910	124	addition disc,height=5.3mm
90910	136	fuel valve holder
90910	136	o-ring(viton)
90910	148	guide pin
90910	161	fuel valve head m42 x 2
90910	173	guide pin
90910	181	o-ring(viton)
90910	185	fuel valve head
90910	197	o-ring(viton)
90910	207	fuel valve head
90910	219	guide pin
90910	220	disc
90910	232	non-return valve
90910	244	disc
90910	256	thrust spindle
90910	268	disc(0.75mm)
90910	281	thrust foot
90910	714	thrust spring
90910	950	disc(0.75mm)
90910	962	addition disc,height=5.3mm
90910	986	disc(0.75mm)
90910	1060	o-ring(viton)
90910	1793	o-ring(viton)
90910	100A	thrust spindle complete

90910	100E	thrust spindle complete
90910	136A	o-ring(viton)
90910	136B	o-ring(viton)
90910	16A	nozzle 4x1.10
90910	16B	nozzle low load
90910	16C	nozzle 6 x 1.02
90910	173A	spring
90910	173B	o-ring(viton)
90910	28A	fuel valve head m42 x 2
90910	28B	o-ring(viton)
90910	28C	fuel valve head m42 x 2
90910	41A	nozzle 4x1.10
90910	41B	nozzle 4X1.05
90910	65A	o-ring(viton)
90910	65B	fuel valve head m42 x 2
90910	77A	fuel valve head m36 x 2
90910	77A	spring guide
90910	77B	fuel valve head m42 x 2
90910	77B	o-ring(viton)
90910	90910-157-161	o-ring(viton)
90910	90910-157-65	o-ring(viton)
90910	90910-24-1793	o-ring(viton)
90910	90910-24-714	thrust spring
90910		screwed connection
90913	12	h.p. fuel pipe complete
90913	24	retaining ring
90913	36	thrust bush
90913	48	h.p.fuel pipe
90913	61	flexibell steel tube,complete
90913	73	guide pin
90913	85	o-ring(viton)
90913	97	o-ring(viton)
90913	107	o-ring(viton)
90913	119	o-ring(viton)
90913	120	coupling piece
90913	132	high-pressure pipe,complete
90913	144	distributor piece
90913	156	guide pin
90913	168	adjustable tee coupling
90913	181	o-ring(viton)
90913	193	adjustable tee coupling
90913	203	elbow coupling
90913	215	coupling piece

90913	227	elbow coupling
90913	239	distribution block complete
90913	240	distributing piece
90913	252	coupling piece
90913	264	plate-round
90913	276	h.p. fuel pipe complete
90913	288	h.p.fuel pipe
90913	311	distribution block complete
90913	323	flange
90913	335	plate-round
90913	347	orifice
90913	360	h.p. fuel pipe complete
90913	372	h.p. fuel pipe complete
90913	384	flexibell steel tube,complete
90913	396	screw
90913	406	protective cap
90913	418	gasket
90913	431	locking washer
90913	443	screw
90913	455	cover
90913	467	air piston
90913	479	sealing ring
90913	480	housing-puncture valve
90913	492	sealing ring
90913	502	o-ring(viton)
90913	514	slide valve
90913	526	spring right hand
90913	538	spring guide
90913	563	puncture valve, complete(M64)
90913	107A	o-ring(viton)
90913	107B	o-ring(viton)
90913	239A	distribution block complete
90913	239B	distribution block complete
90913	240A	distributing piece
90913	240B	distributor piece

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MAN B&W L70MC ,S70MC,MC-C MAIN ENGINE

Drawing NO.	PART NO.	NAME
90101	18	disc
90101	31	nut
90101	43	housing
90101	55	guide pin
90101	67	cylinder cover
90101	79	gasket
90101	80	flange
90101	92	screw
90101	102	nut
90101	114	cooling pipe
90101	126	cooling jacket(height=353mm)
90101	138	cooling jacket
90101	151	gasket
90101	163	screw
90101	175	nut
90101	187	hydraulic nut
90101	199	stud
90101	209	screw
90101	210	disc
90101	222	disc
90101	234	guide pin
90101	246	guide pin
90101	258	housing
90101	271	nut
90101	283	nut
90101	286	stud with guide face for fuel
90101	295	stud for fuel valve
90101	305	pipe for fuel valve
90101	317	plug screw
90101	329	gasket

90101	126A	gasket od.775xid.708x1mm
90101	126B	gasket od.775xid.728x1mm
90101	126C	gasket
90102	13	hyd. tightening ring complete
90102	49	disc
90102	50	piston
90102	62	eye bolt
90102	74	venting screw
90102	98	piston hyd. jack
90102	108	o-ring with back-up ring
90102	121	o-ring with back-up ring
90102	133	o-ring with back-up ring
90102	145	outer nut
90102	157	protection cover
90102	169	quick coupling-male
90102	170	disc
90102	90102-133-35	stud
90102	90102-25A-108	o-ring with back-up ring
90102	90102-25A-121	o-ring with back-up ring
90102	90102-25A-74	venting screw
90102	90102-35-169	quick coupling-male
90102	90102-35-49	inner nut
90102	90102-35-74	venting screw
90102	90102-40-49	inner nut
90102	90102-40-50	piston
90102	90102-40-74	venting screw
90102	90102-E19-108	o-ring with back-up ring
90102	90102-E19-121	o-ring with back-up ring
90102	90102-E19-170	disc
90102	90102-E19-74	venting screw
90102	90102-K-906	o-ring with back-up ring
90102	90102-K-907	o-ring with back-up ring
90102	90102-K-912	disc
90102	90102-K-913	quick coupling-male
90102	K145	outer nut
90103	19	extension
90103	20	gasket

90103	32	packing
90103	44	gasket
90103	56	plug screw
90103	68	gasket
90103	81	chain
90103	93	eye screw
90103	103	eye screw
90103	127	extension
90103	139	gasket
90103	140	screw
90103	152	nut
90103	164	indicator valve complete
90103	176	flange
90103	188	extension
90103	223	screw
90103	235	extension
90161	90161-40-111	disc
90161	90161-40-27	o-ring with back-up ring
90161	90161-40-39	o-ring with back-up ring
90161	90161-83-159	o-ring with back-up ring
90161	90161-83-160	o-ring with back-up ring
90161	90161-87-159	o-ring with back-up ring
90161	90161-87-160	o-ring with back-up ring
90201	11	screw
90201	23	locking washer
90201	35	d-ring(viton)
90201	47	d-ring(viton)
90201	84	locking wire
90201	106	o-ring(viton)
90201	118	o-ring(viton)
90201	131	screw
90201	143	cooling oil pipe
90201	155	pipe for cooling insert
90201	167	dis for piston crown
90201	179	d-ring(viton)
90201	180	piston skirt
90201	192	nut

90201	201	locking plate
90201	202	disc
90201	214	hydraulic nut
90201	226	stud
90201	251	screw
90201	106-o	o-ring(viton)
90201	118A	piston skirt
90201	131A	locking wire
90201	214A	washer for piston rod t=9mm
90201	214B	washer for piston rod t=9mm
90201	214C	washer for piston rod t=9mm
90201	214D	washer for piston rod t=9mm
90201	214E	washer for piston rod t=9mm
90201	23A	locking wire,dia=1mm
90201	23B	locking washer
90201	251A	screw
90201	90201-37B-23	locking washer
90201	90201-61E-23	locking washer
90201	90201-94K-118	piston skirt
90201	90201-94K-131	screw
90201	90201-98-106	o-ring(viton)
90201	90201-98-143	o-ring(viton)
90201	90201-H43-35	locking wire
90201	K118	piston skirt
90201	SL91	special washer m8 x 16 x 2.5mm
90205	13	locking washer
90205	16	o-ring(nbr)
90205	25	nut
90205	33	locking wire,dia=1mm
90205	37	sealing ring,complete
90205	49	sealing ring(with spring)
90205	50	o-ring(nbr)
90205	62	scraper ring,complete
90205	74	nut
90205	86	housing for stuffing box
90205	98	flange
90205	108	flange

90205	121	locking washer
90205	133	guide pin
90205	145	spring pin
90205	157	fitted bolt
90205	169	scraper ring(with lamella,spring)
90205	170	guide pin
90205	182	fitted bolt
90205	194	scraper ring(with lamella,spring)
90205	204	lamella for scraper ring(3pcs/set)
90205	216	spring
90205	228	spring
90205	335	nut
90205	62A	top scraper ring
90205	62B	scraper ring complete (224mm)
90205	74A	sealing ring,complete
90205	74B	sealing ring complete (223mm)
90205	86A	sealing ring,complete
90205	86B	sealing ring complete (223mm)
90205	90205-121-121	guide pin
90205	90205-121-13	o-ring(nbr)
90205	90205-121-133	spring pin
90205	90205-121-157	lamella for scraper ring(3pcs/set)
90205	90205-121-170	housing for stuffing box
90205	90205-121-182	fitted bolt
90205	90205-121-204	screw
90205	90205-121-216	scraper ring(with lamella,spring)
90205	90205-121-241	spring
90205	90205-121-25	scraper ring,complete
90205	90205-121-253	spring
90205	90205-121-289	scraper ring(with lamella,spring)
90205	90205-121-37	sealing ring,complete
90205	90205-121-49	sealing ring(with spring)
90205	90205-121-62	nut
90205	90205-121-74	housing for stuffing box
90205	90205-121-86	flange
90205	90205-121-98	screw
90205	90205-123-121	screw

90205	90205-123-13	o-ring(nbr)
90205	90205-123-133	guide pin
90205	90205-123-145	spring pin
90205	90205-123-157	lamella for scraper ring(3pcs/set)
90205	90205-123-170	screw
90205	90205-123-182	fitted bolt
90205	90205-123-194	scraper ring(with lamella,spring)
90205	90205-123-204	spring
90205	90205-123-216	spring
90205	90205-123-241	scraper ring(with lamella,spring)
90205	90205-123-25	scraper ring,complete
90205	90205-123-37	sealing ring,complete
90205	90205-123-49	sealing ring(with spring)
90205	90205-123-74	nut
90205	90205-123-86	housing for stuffing box
90205	90205-123-98	flange
90205	90205-48-16	o-ring(nbr)
90205	90205-48-169	scraper ring(with lamella,spring)
90205	90205-48-194	spring pin
90205	90205-48-204	lamella for scraper ring(3pcs/set)
90205	90205-48-216	spring
90205	90205-48-228	spring
90205	90205-48-62	scraper ring,complete
90205	90205-48-74	sealing ring,complete
90205	90205-48-86	sealing ring(with spring)
90205	90205-59-50	o-ring(nbr)
90205	90205-94-13	o-ring(nbr)
90205	90205-H33-204	lamella for scraper ring(3pcs/set)
90205	90205-H33-216	spring
90205	90205-H33-228	spring
90205	K17	o-ring(nbr)
90301	15	gasket
90301	27	washer
90301	40	nut
90301	64	o-ring(viton)
90301	76	stud for cyl.cover
90301	147	distance piece

90301	159	bushing
90301	160	housing
90301	172	screw
90301	184	screw
90301	196	gasket
90301	206	distance piece
90301	218	bushing
90301	231	gasket
90301	243	screw
90301	279	distance piece
90301	280	gasket
90301	292	housing
90301	302	gasket
90301	326	cyl.cover stud l=1354 th=m64
90301	338	cleaning cover complete
90301	375	gasket
90301	387	screw
90301	399	packing
90301	409	rail for sealing
90301	410	paking-rubber
90301	434	packing
90301	483	packing
90301	517	gasket
90301	542	screw
90301	554	washer
90301	578	nut
90301	674	paking-rubber
90301	90301-120-280	o-ring(nbr)
90301	90301-120-64	o-ring(nbr)
90301	90301-128-15	gasket
90302	10	C-J
90302	22	clamp
90302	34	lifting screw
90302	46	cooling jacket
90302	58	cooling jacket
90302	71	cramp
90302	83	o-ring(nbr)

90302	95	cooling jacket
90302	105	clamp
90302	117	cylinder liner(ccs certificate)
90302	129	cooling water connection
90302	130	cooling water connection
90302	130	piston cleaning ring(730X698.7X21)
90302	142	cooling jacket
90302	154	gasket
90302	166	cooling water connection
90302	178	cooling pipe
90302	191	o-ring(nbr)
90302	201	cooling pipe
90302	213	clamp
90302	225	cooling pipe
90302	237	cooling water connection
90302	249	cooling water connection
90302	250	o-ring(viton)
90302	262	clamp
90302	399	nut
90302	914	o-ring(viton)
90302	22A	clamp
90302	22B	gasket
90302	34A	lifting screw
90302	34B	intermediate piece
90302	46A	screw
90302	46B	screw
90304	11	body-non-return valve
90304	23	non-return valve
90304	35	steel ball
90304	47	spring
90304	59	non-return valve, complete
90304	118	non-return valve
90305	42	coupling complete
90305	54	lock-nut
90305	66	nut
90305	101	fitted bolt
90305	113	nut

90305	149	fitted bolt
90305	150	cyl.lub.spring disc
90305	174	spring washer
90305	198	gauge
90305	282	fitted bolt
90305	316	nut
90305	328	washer
90305	90305-34-101	fitted bolt
90305	90305-34-150	cyl.lub.spring disc
90305	90305-34-54	lock-nut
90305	90305-57-294	cyl.lub.spring disc
90401	235	hydraulic nut
90401	379	stud
90401	90401-30-16	chain complete 4" (98 links)
90401	90401-36-115	locking plate
90401	90401-36K-115	locking plate
90401	90401-36K-355	locking plate
90401	90401-36K-379	locking plate
90401	90401-36K-392	crosshead bearing shell comp.
90401	90401-39-103	screw
90401	90401-39-115	locking plate
90401	90401-39-152	locking plate
90401	90401-39-259	lock washer
90401	90401-39-306	screw
90401	90401-39-318	disc
90401	90401-39-355	locking plate
90401	90401-39-379	locking plate
90401	90401-39-487	dowel pin
90401	90401-39-509	locking plate
90401	90401-42-103	screw
90401	90401-42-115	locking plate
90401	90401-42-127	nut
90401	90401-42-139	plug
90401	90401-42-140	dowel pin
90401	90401-42-188	locking plate
90401	90401-42-19	stud
90401	90401-42-20	nut

90401	90401-42-223	bracket
90401	90401-42-259	lock washer
90401	90401-42-272	nut
90401	90401-42-296	bearing shell crankpin
90401	90401-42-306	screw
90401	90401-42-318	disc
90401	90401-42-32	discharge pipe
90401	90401-42-355	locking plate
90401	90401-42-367	hydraulic nut
90401	90401-42-379	locking plate
90401	90401-42-414	distance piece
90401	90401-42-426	split pin
90401	90401-42-438	split pin
90401	90401-42-451	crosshead
90401	90401-42-463	connecting rod stud
90401	90401-42-487	dowel pin
90401	90401-42-509	locking plate
90401	90401-42-522	screw
90401	90401-50-20	split pin
90401	90401-50-259	dowel pin
90401	90401-50-296	x-head bearing shell (784mm id
90401	90401-50-318	screw
90401	90401-50-32	nut
90401	90401-50-331	disc
90401	90401-50-379	nut
90401	90401-50-380	locking plate
90401	90401-50-392	hydraulic nut
90401	90401-50-499	connecting rod stud
90401	90401-50-509	dowel pin
90401	90401-50-522	locking plate
90401	90401-50-56	screw
90401	90401-50-68	locking plate
90401	90401-50-93	nut
90401	90401-51K-68	locking plate
90401	90401-58-164	thrust piece
90401	90401-77-296	guide strip
90401	90401-77-487A	shim for guide strip 0.25mm.

90401	90401-79-103	lock washer
90401	90401-79-188	dowel pin
90401	90401-79-19	screw
90401	90401-79-235	hydraulic nut
90401	90401-79-272	locking wire
90401	90401-79-272-63	locking wire
90401	90401-79-306	screw
90401	90401-79-379	stud
90401	90401-79-402	hydraulic nut
90401	90401-79-426	locking nut
90401	90401-79-44	nut
90401	90401-79-451	stud
90401	90401-79-487A	shim for guide strip 0.25mm.
90401	90401-79-510	dowel pin
90401	90401-79-56	screw
90610	90610-45-15	chainwheel on camshaft
90611	90611-53-178	indicator cam
90611	90611-53-83	fuel cam
90611	90611-61-129	o-ring(nbr)
90611	90611-61-154	o-ring
90611	90611-61-58	o-ring
90612	16	gasket
90612	28	nut
90612	41	locking washer
90612	65	gasket
90612	77	housing
90612	89	liner
90612	90	spring pin
90612	112	circlip
90612	124	locking washer
90612	136	screw
90612	148	circlip
90612	161	roller guide
90612	173	extension
90612	185	liner
90612	197	liner
90612	207	circlip

90612	219	screw
90612	220	needle bearing
90612	232	needle bearing
90612	244	cup point screw
90612	256	screw
90612	268	screw
90612	281	screw
90612	293	cup point screw
90612	315	screw
90612	327	roller guide
90612	339	extension
90612	340	extension
90612	352	flange
90612	364	gasket
90612	376	screw
90612	388	screw
90612	411	liner
90612	423	nut
90612	435	circlip
90612	447	indicator valve complete
90612	459	gasket
90612	460	gasket
90612	472	circlip
90612	484	eye screw
90612	496	washer
90612	506	circlip
90612	518	screw
90612	555	guide pulley
90612	567	shaft
90612	579	circlip
90612	580	washer
90612	614	circlip
90612	638	cup point screw
90612	2403	locking nut
90612	161A	roller guide complete
90612	447HSD	indicator valve complete
90612	90612-23-185	indicator valve complete

90612	90612-23A-435	indicator valve complete
90612	90612-2S-185	indicator valve complete
90612	90612-56-447	indicator valve complete
90612	90612-56-459	gasket
90612	90612-64-112	indicator valve complete
90612	90612-E45-447	indicator valve complete
90612	90612-H14-H447	indicator valve complete
90612	E077	indicator valve complete
90612	E447	indicator v/v& flange assembly
90612	E447A	indicator valve complete
90612	K447	indicator valve complete
90612	K460	gasket
90613	59	o-ring(nbr)
90613	72	o-ring
90613	131	rubber cord
90613	358	camshaft bearing shell comp.
90613	90613-39-131	rubber cord
90613	90613-E29-131	rubber cord
90613	90613-E29-59	o-ring(nbr)
90613	90613-E29-72	o-ring
90702	40	screw
90702	76	screw
90702	111	nut
90702	218	nut
90702	243	washer
90702	267	screw
90702	292	guide pin
90702	326	spindle
90702	90702-20-123	gasket
90702	90702-20-196	gasket
90702	90702-20-314	gasket
90702	90702-20-686	gasket
90702	90702-31-674	actuator double acting
90703	10	housing
90703	22	screw
90703	34	guide screw
90703	58	lock washer

90703	71	lock washer
90703	83	screw
90703	95	flange
90703	105	screw
90703	117	stop disc for 4 cyl eng.
90703	129	distributor disc
90703	130	sleeve
90703	142	guide pin
90703	166	closing disc
90703	178	screw
90703	191	cover
90703	201	screw
90703	213	screw
90703	225	key
90703	237	oil seal
90703	249	disc special
90703	250	o-ring(nbr)
90703	274	liner
90703	286	cover
90703	321	piston & liner for distributor
90703	369	hex.head screw with dogpoint
90703	428	oil sealing bush
90703	453	sleeve
90703	465	reversing arm
90703	477	guide pin
90703	489	special low head screw
90703	500	shim
90703	524	gasket
90703	536	dowel pin
90703	548	circlip
90703	607	piston & liner for distributor
90703	668	shaft
90703	715	bushing
90703	752	spring
90703	776	cup point screw
90703	811	connection
90703	823	spring

90703	847	spring retainer (washer)
90703	117A	stop disc for 4 cyl eng.
90703	129A	distributor disc
90703	129B	distributor disc
90703	249B	reversing disc (5 cyl.engine)
90703	500/KIT	repair kit
90703	500-KIT	repair kit
90703	90703-27A-129	distributor disc
90703	90703-27A-715	bushing
90703	90703-31-112	o-ring
90703	90703-48-453	sleeve
90703	90703-48-607	piston & liner for distributor
90703	90703-48-823	spring
90703	90703-63-428	oil sealing bush
90704	0	starting valve complete
90704	2	bushing
90704	3	valve spindle (l=482mm)
90704	10	o-ring
90704	16	screw
90704	28	cover
90704	41	locking plate
90704	53	special screw
90704	61	o-ring
90704	65	bushing
90704	77	spring
90704	89	bushing
90704	90	special screw
90704	100	cover
90704	112	locking plate
90704	124	spindle
90704	136	bushing
90704	148	o-ring
90704	161	bushing
90704	173	spindle
90704	185	o-ring
90704	197	spindle
90704	100A	washer

90704	100B	valve spindle (l=482mm)
90704	112B	o-ring
90704	16A	plug screw
90704	16B	special screw
90704	28A	socket head cap screw m5 x 45
90704	28B	cover
90704	41A	screw
90704	41B	locking plate
90704	53B	special screw
90704	65A	nut
90704	65B	piston
90704	77B	spring
90704	89A	piston
90704	89B	bushing
90704	90B	valve housing
90801	13	cover
90801	25	cover
90801	28	eye bolt
90801	37	gasket
90801	49	cover
90801	50	flange
90801	62	gasket
90801	74	bottom piece
90801	86	gasket
90801	98	bottom piece
90801	108	disc
90801	121	disc
90801	133	conical ring 2/2
90801	145	bottom piece
90801	157	screw
90801	169	air cylinder
90801	170	hex. head plug screw
90801	182	air piston
90801	194	ball cock
90801	204	gasket
90801	216	exhaust valve housing
90801	228	cover

90801	241	cup point screw
90801	253	gasket
90801	265	o-ring(viton)
90801	277	exhaust valve spindle
90801	289	flange
90801	290	flange
90801	300	air cylinder
90801	312	o-ring(viton)
90801	324	exhaust valve seat
90801	336	o-ring(viton)
90801	348	gasket
90801	361	o-ring(viton)
90801	373	guide ring
90801	385	sealing ring
90801	397	gasket
90801	407	o-ring(viton)
90801	419	gasket
90801	420	disc
90801	432	screw
90801	444	cooling water connection
90801	456	piston complete
90801	468	air piston
90801	481	flange
90801	503	nut
90801	515	damper piston
90801	527	piston
90801	539	screw
90801	540	disc(height=24mm)
90801	564	cup point screw
90801	576	o-ring(viton)
90801	588	flange
90801	611	rotation check rod
90801	623	o-ring(nbr)
90801	635	flange
90801	647	screwed connection
90801	659	gasket
90801	660	spring

90801	672	gasket
90801	684	circlip
90801	696	gasket
90801	706	cooling water connection
90801	718	non return valve
90801	731	flange
90801	743	gasket
90801	755	hex. head plug screw
90801	767	ball cock
90801	779	pin
90801	780	steel pipe
90801	792	gasket
90801	802	screw
90801	814	cover
90801	826	exhaust valve spindle
90801	833	exhaust valve housing
90801	838	exhaust valve housing
90801	851	spring retainer
90801	863	o-ring(viton)
90801	875	exhaust valve seat
90801	887	o-ring(viton)
90801	899	conical ring 2/2
90801	909	non return valve
90801	950	screw
90801	3623	piston ring
90801	4068	piston ring
90801	4513	piston ring
90801	6848	flange for exh. v/v dia. 382.5
90801	312A	o-ring(viton)
90801	312B	o-ring(viton)
90801	336A	o-ring(viton)
90801	336B	sealing ring(u cup)
90801	336U	sealing ring(u cup)
90801	419-SP	spring
90801	540A	disc(height=24mm)
90801	611A	sealing ring
90801	611B	sealing ring-hvof

90801	684A	circlip
90801	684A	spring pin
90801	684B	spring pin
90801	838B	housing for exhaust valve
90801	887A	o-ring(viton)
90801	887B	sealing ring(u cup)
90801	887B	sealing ring(u cup)
90801	90801-55B-25	sealing ring
90801	90801-55B-37	o-ring(nbr)
90801	90801-H6-468	o-ring(nbr)
90801	90801--INSERT	thread insert
90801	INSERT	thread insert
90801	K718	non return valve
90801	K767	ball cock
90803	14	eye bolt
90803	26	gasket
90803	38	eye bolt
90803	51	orifice plug
90803	63	gasket
90803	75	gasket
90803	87	orifice plug
90803	99	gasket
90803	109	guide ring
90803	110	disc
90803	122	lock washer
90803	134	air piston
90803	146	oil cylinder
90803	158	air piston
90803	171	gasket
90803	183	hex. head plug screw
90803	195	o-ring(nbr)
90803	205	eye bolt
90803	217	guide ring
90803	229	lock washer
90803	230	disc
90803	242	conical ring 2/2
90803	254	nut

90803	266	nut
90803	278	disc
90803	291	guide ring
90803	301	lock washer
90803	313	disc
90803	325	air cylinder
90803	337	air piston
90803	349	disc
90803	350	cup point screw
90803	362	air cylinder
90803	374	conical ring 2/2
90803	386	disc
90803	398	conical ring 2/2
90803	408	conical ring 2/2
90803	421	gasket
90803	433	air piston
90803	445	sealing ring
90803	457	cup point screw
90803	469	air cylinder
90803	470	non return valve
90803	482	non return valve
90803	494	piston ring
90803	504	non return valve
90803	516	gasket
90803	528	non return valve
90803	541	spring
90803	553	piston ring
90803	565	spring pin
90803	577	damper piston
90803	589	non return valve
90803	590	piston
90803	600	damper piston
90803	612	spring,right hand
90803	624	piston
90803	636	disc(height=24mm)
90803	661	piston,complete
90804	21	gasket

90804	33	o-ring(viton)
90804	45	safety valve
90804	905	o-ring(viton)
90804	90804-13-21	gasket
90804	90804-13-45	safety valve
90805	15	nut
90805	27	oil cylinder
90805	39	stud
90805	40	stud
90805	52	piston
90805	64	circlip
90805	76	plate-round(height=10.5mm)
90805	88	bushing
90805	111	disc
90805	123	plug screw
90805	129	screw
90805	135	circlip
90805	147	set screw with dog point
90805	159	bushing
90805	160	disc
90805	172	piston ring
90805	172	piston ring
90805	184	bushing roller guide
90805	196	guide pin
90805	206	screw
90805	218	liner exhaust
90805	231	screw
90805	243	non-return valve m27 x 2
90805	255	piston ring
90805	267	locking piece
90805	279	screw
90805	280	spring seat disc
90805	292	spring
90805	302	locking piece
90805	314	guide pin
90805	326	roller
90805	338	guide block-exhaust

90805	363	screw
90805	387	screw
90805	399	locking washer
90805	409	guide pin
90805	410	screw
90805	422	stop block
90805	434	guide plate
90805	446	cross piece
90805	458	bolt
90805	471	dowel pin 10 x 20
90806	10	sealing disc
90806	22	o-ring(nbr)
90806	34	non return valve complete
90806	46	clamp
90806	58	nut
90806	71	screw
90806	83	support
90806	95	o-ring(nbr)
90806	105	coupling
90806	117	drain pipe
90806	129	coupling
90806	130	spindle
90806	142	nut
90806	154	cap nut-roind
90806	166	o-ring(nbr)
90806	178	coupling
90806	191	drain pipe complete
90806	201	elbow union
90806	213	safety valve, complete
90806	225	safety valve, complete
90806	237	hydraulic pipe complete
90806	249	gasket
90806	250	gasket
90806	262	thrust bushing
90806	274	plug screw
90806	286	gasket
90806	298	screw

90806	308	hydraulic pipe complete
90806	321	high pressure pipe
90806	333	hose complete
90806	357	throttle valve complete
90806	369	housing
90806	370	spindle
90806	382	nut
90806	90806-22K-10	sealing disc
90806	90806-22K-213	safety valve, complete
90806	90806-22K-22	o-ring(nbr)
90806	90806-22K-34	non return valve complete
90806	90806-22K-357	throttle valve complete
90806	90806-24-10	sealing disc
90806	90806-24-22	o-ring(nbr)
90806	90806-27K-10	sealing disc
90806	90806-27K-22	o-ring(nbr)
90806	90806-27K-298	screw
90806	90806-28-10	sealing disc
90806	90806-28-22	o-ring(nbr)
90806	90806-34-22	o-ring(nbr)
90806	90806-38B-10	sealing disc
90806	90806-38B-22	o-ring(nbr)
90806	90806-41-22	o-ring(nbr)
90806	90806-61-22	o-ring(nbr)
90806	90806-64-22	o-ring(nbr)
90807	1	housing
90807	2	spindle
90807	3	spring
90807	4	o-ring(nbr)
90807	5	piston
90807	6	sealing ring
90807	7	lock washer
90807	8	nut
90807	9	gasket
90807	10	reducing socket
90807	11	screw
90810	85	gasket

90810	119	gasket
90810	132	compensator(dn50,length=130)
90810	144	compensator(dn50,length=130)
90810	156	ball valve
90810	181	butterfly valve(dn:50)
90810	215	ball valve
90810	264	gasket
90810	360	packing ring
90810	384	butterfly valve(dn:50)
90810	144A	compensator cooling water(dn50)
90901	0	fuel pump ass
90901	17	stud
90901	29	fuel pump housing
90901	30	gasket
90901	42	gasket
90901	47	stud
90901	54	plug screw
90901	66	oriface
90901	78	fuel pump housing
90901	91	guide bushing
90901	101	sleeve
90901	113	regulating guide
90901	125	guide pin
90901	137	guide pin
90901	149	screw
90901	150	guide pin
90901	162	banjo coupling
90901	174	gasket
90901	186	guide pin
90901	198	guide pin
90901	208	gasket
90901	221	gasket
90901	233	guide bushing
90901	245	guide bushing,complete
90901	257	guide bushing
90901	269	guide screw
90901	270	gasket

90901	282	guide pin
90901	294	top cover
90901	304	banjo coupling
90901	316	guide bushing,complete
90901	328	locking washer
90901	341	nut
90901	353	screw
90901	365	o-ring(viton)
90901	377	o-ring(viton)
90901	389	nut
90901	390	gasket
90901	400	sealing ring
90901	412	slide
90901	424	o-ring(nbr)
90901	436	pump barrel
90901	448	lock washer
90901	461	screw
90901	473	sealing ring
90901	485	o-ring(viton)
90901	496	locking washer
90901	497	locking washer
90901	507	barrel and plunger
90901	515	damper piston
90901	519	o-ring(viton)
90901	520	scraper ring (i/dia. 59mm.)
90901	527	piston
90901	532	pump barrel
90901	539	spring,right hand
90901	544	air piston
90901	556	gasket
90901	568	back-up ring
90901	581	cover
90901	593	scraper ring (i/dia. 59mm.)
90901	603	air piston
90901	615	back-up ring
90901	627	cover
90901	639	sealing ring

90901	640	o-ring(viton)
90901	652	gasket
90901	664	air piston
90901	676	gasket
90901	688	valve housing
90901	711	o-ring(viton)
90901	723	screw
90901	735	pipe union
90901	747	pipe,l=950
90901	760	banjo coupling
90901	772	plug screw
90901	784	gasket
90901	796	pipe,l=670
90901	806	spacer ring with spring
90901	818	orifice plate
90901	831	circlip
90901	843	o-ring(viton)
90901	855	screw
90901	867	protective cap
90901	879	coupling
90901	880	pipe
90901	892	banjo coupling
90901	902	plug screw
90901	914	plate-round
90901	926	pipe
90901	436B	suction v/v M68x2/dia.59
90901	436C	suction v/v M68x2/dia.59
90901	90901-68-100	spring guide
90901	90901-77K-316	lock washer
90901	90901-77K-640	o-ring(viton)
90901	90901-E54-328	o-ring(nbr)
90901	90901-E54-377	o-ring(viton)
90901	90901-E54-424	sealing ring(plunger dia=59mm)
90901	90901-E54-436	suction v/v M68x2/dia.59
90901	90901-E54-485	sealing ring
90901	90901-E54-519	sealing ring
90901	90901-E54-593	scraper ring (i/dia. 59mm.)

90901	COMPL.	fuel pump complete (59mm.dia)
90902	12	fuel pump roller guide,complete
90902	24	guide for reversing
90902	36	distance pipe
90902	48	bolt
90902	61	set screw with dog point
90902	73	roller
90902	85	bushing
90902	97	disc
90902	107	nut
90902	119	bush
90902	120	lock washer
90902	132	nut
90902	144	thrust disc
90902	156	bush
90902	168	plug screw
90902	181	air cylinder
90902	193	pin
90902	215	link for reversing
90902	227	guide pin
90902	239	spring
90902	240	air cylinder(oem parts)
90902	252	spring
90902	264	screw
90902	276	guide pin
90902	311	bush
90902	323	pin
90902	335	key
90902	347	nut
90902	359	bush
90902	360	o-ring(viton)
90902	372	cap
90902	384	locking nut
90902	396	screw
90902	406	spring
90902	418	plate-round(height=10.5mm)
90902	431	roller

90902	443	disc
90902	455	bushing
90902	467	bush
90902	479	guide pin
90902	480	circlip
90902	492	key
90902	502	plug screw
90902	514	screw
90902	526	bushing
90902	538	cover
90902	551	cover
90902	563	f.p. roller guide complete
90902	575	guide pin
90902	587	spring seat disc
90902	599	guide pin
90902	609	stud
90902	610	plate-round(height=10.5mm)
90902	622	roller guide
90902	634	guide pin
90902	646	plug screw
90902	658	set screw with dog point
90902	683	link for reversing
90902	695	circlip
90902	705	f.p. roller guide complete
90902	717	disc
90902	729	guide pin
90902	730	guide pin
90902	742	bush
90902	754	screw
90902	778	liner
90902	90902-35-240	air cylinder(oem parts)
90902	90902-46K-181	air cylinder
90902	90902-46K-479	guide pin
90902	90902-46K-480	guide pin
90902	90902-46K-502	screw
90902	90902-52-240	air cylinder(oem parts)
90904	13	gasket

90904	25	housing
90904	37	flange
90904	49	gasket
90904	50	gasket
90904	62	gasket
90904	68	filter ring
90904	74	locking washer
90904	86	locking washer
90904	98	spring external
90904	108	guide screw
90904	121	gasket
90904	133	filter ring
90904	145	shock absorber seal ring
90904	157	flange
90904	169	gasket
90904	170	gasket
90904	173	shock absorber seal ring
90904	182	housing
90904	194	forked head
90904	204	piston shock absorber
90904	228	plug screw
90904	241	union nut
90904	253	packing
90904	265	wear ring
90904	277	screw
90904	300	screw
90904	312	guide screw
90904	324	guide screw
90904	336	toothed rack for regulation
90904	348	filter ring
90904	361	guide screw
90904	373	actuator
90904	385	forked head
90904	397	nut
90904	407	toothed bar
90904	418	circlip
90904	419	circlip

90904	420	screw
90904	444	toothed rack for timing
90904	468	filter ring
90904	481	pointer
90904	493	shaft
90904	503	nut
90904	527	circlip
90904	539	shaft
90904	540	forked head
90904	635	back-up ring
90904	647	thrust piece
90904	62G	gasket
90904	90904-H4-133	shock absorber seal ring
90904	90904-H4-194	wear ring(dia=115mm)
90904	90904-H4-348	filter ring
90904	K419	filter ring
90905	44	nut
90905	68	screw
90905	103	screw
90905	152	screw
90905	211	screw
90905	223	pipe union
90905	259	coupling
90905	90905-1-443	air cylinder
90905	90905-33-103	screw
90905	90905-33-115	bolt
90905	90905-33-127	flange for air cylinder
90905	90905-33-152	screw
90905	90905-33-164	bushing
90905	90905-33-176	air cylinder(oem parts)
90905	90905-33-19	shaft
90905	90905-33-20	guide for reversing
90905	90905-33-211	screw
90905	90905-33-235	ball valve
90905	90905-33-247	branch pipe
90905	90905-33-259	nut
90905	90905-33-272	coupling

90905	90905-33-284	orifice plug
90905	90905-33-296	non-return valve
90905	90905-33-306	lock nut
90905	90905-33-318	safety valve
90905	90905-33-32	distance pipe
90905	90905-33-44	nut
90905	90905-33-56	guard
90905	90905-33-68	screw
90905	90905-33-93	flange
90910	16	atomizer 5 x 1.35 mm
90910	28	fuel v/v head(m42X2)
90910	41	atomizer 5 x 1.35 mm
90910	53	guide pin
90910	65	o-ring(viton)
90910	77	fuel v/v head(m42X2)
90910	89	guide pin
90910	90	circlip
90910	100	fuel nozzle(5X1.35)
90910	112	circlip
90910	124	addition disc,height=5.3mm
90910	136	fuel valve holder
90910	148	guide pin
90910	161	coupling nut
90910	170	o-ring(viton)
90910	173	guide pin
90910	185	fuel valve head(m42X2)
90910	187	thrust spindle
90910	197	o-ring(viton)
90910	207	fuel valve head
90910	219	guide pin
90910	220	spring
90910	232	non-return valve
90910	244	disc
90910	256	thrust spindle
90910	268	spring
90910	281	thrust foot
90910	950	disc(0.75mm)

90910	962	addition disc,height=5.3mm
90910	986	addition disc,height=5.3mm
90910	992	o-ring(viton)
90910	100E	thrust spindle complete
90910	124C	spring disc 4.9mm (-11 bar)
90910	124D	spring disc 5.3mm(0 bar)
90910	16A	atomizer 5 x 1.35 mm
90910	16B	atomizer
90910	1E	fuel valve complete
90910	41A	nozzle(4x1.28)
90910	41C	nozzle low load 4x1.25
90910	90910-66-100	spring guide
90910	90910-66-112	circlip
90910	90910-66-124	thrust foot
90910	90910-66-136	o-ring(viton)
90910	90910-66-148	spindle guide complete
90910	90910-66-16	atomizer 4x1.45mm
90910	90910-66-173	o-ring(viton)
90910	90910-66-185	fuel valve head(m42X2)
90910	90910-66-220	spring
90910	90910-66-28	o-ring(viton)
90910	90910-66-41	holder
90910	90910-66-53	guide pin
90910	90910-66-77	o-ring(viton)
90910	90910-66-90	guide pin
90910	90910-66-962	addition disc,height=5.3mm
90910	90910-93-124	o-ring(viton)
90910	90910-93-148	o-ring(viton)
90910	90910-93-89	o-ring(viton)
90910	962A	addition disc,height=5.3mm
90910	962B	spring disc 5.3mm(0 bar)
90910	H1	o-ring(viton)
90910	K41	nozzle(4x1.28)
90913	12	high-press,fuel oil pipe
90913	24	coupling nut
90913	36	coupling nut
90913	48	h.p. fuel pipe

90913	61	flexibell steel tube complete
90913	73	h.p.fuel pipe
90913	97	o-ring(viton)
90913	107	o-ring(viton)
90913	119	o-ring(viton)
90913	120	screw cap
90913	132	h.p.fuel pipe
90913	144	flexibell steel tube,complete
90913	156	h.p. fuel pipe
90913	168	coupling
90913	181	o-ring(viton)
90913	193	adjustable tee coupling
90913	203	elbow coupling
90913	215	housing for membrane
90913	227	elbow coupling
90913	239	fuel dist. block complete
90913	240	distribution block
90913	252	guide pin
90913	264	screw
90913	276	h.p.fuel pipe
90913	288	h.p.fuel pipe
90913	311	flexibell steel tube,complete
90913	323	plug screw
90913	335	plate-round
90913	90913-105-119	o-ring(viton)
90913	90913-105-97	o-ring(viton)
90913	90913-33K-119	o-ring(viton)
90915	13	fuel oil regulation valve
90915	25	gasket
90915	37	spring guide
90915	49	o-ring(viton)
90915	50	nut
90915	62	locking washer
90915	74	cup point screw
90915	86	o-ring(viton)
90915	98	nut
90915	108	gasket

90915	121	o-ring(viton)
90915	133	piston
90915	145	flange
90915	157	stud
90915	169	spring external
90915	170	piston shock absorber
90915	182	housing
90915	204	shock absorber,complete
91003	283	packing
91003	329	packing
91101	10	valve spindle
91101	22	screwed connection
91101	34	lock nut
91101	46	spring
91101	58	valve housing
91101	71	stop ring
91101	83	valve flap
91101	95	valve guide m22x1.5
91101	105	gasket
91101	117	safety valve, complete
91101	91101-15-10	valve spindle
91101	91101-15-105	gasket
91101	91101-15-117	safety valve, complete
91101	91101-15-22	screwed connection
91101	91101-15-34	lock nut
91101	91101-15-46	spring
91101	91101-15-58	valve housing
91101	91101-15-71	stop ring
91101	91101-15-83	valve flap
91101	91101-15-95	valve guide m22x1.5
91101	91101-16-10	safety v/v 170 bar m22x1.5
91101	91101-16-117	safety valve, complete
91101	91101-16K-10	safety v/v 170 bar m22x1.5
91101	91101-16K-83	gasket
91101	91101-19-10	safety valve comp. 170 bar.(new type)
91101	91101-19K-83	gasket
91101	91101-21K-10	safety valve comp. 170 bar.(new type)

91101	91101-26-10	valve spindle
91101	91101-26-105	gasket
91101	91101-26-117	safety valve, complete
91101	91101-26-22	screwed connection
91101	91101-26-34	lock nut
91101	91101-26-46	spring
91101	91101-26-58	valve housing
91101	91101-26-71	stop ring
91101	91101-26-83	valve flap
91101	91101-26-95	valve guide m22x1.5
91101	91101-6-117	safety valve, complete
91103	91103-11-131	o-ring
91103	91103-14-131	o-ring
91103	91103-15-131	o-ring
91103	91103-18-131	o-ring
91104	17	protecting guard only cylinder 1
91104	29	screw
91104	42	bursting cap
91104	54	check plate for safety cap
91104	66	screw
91104	78	perforated cylinder
91104	101	fitted bolt
91104	125	screw
91104	149	wing nut
91104	150	washer
91104	162	stud
91104	174	bursting disc
91104	186	gasket
91104	208	screw
91104	233	screw
91104	245	nut
91104	257	screw
91104	269	gasket
91104	270	nut
91104	294	washer
91104	304	screw
91104	328	packing

91104	91104-20-101	gasket
91104	91104-20-78	bursting disc
91104	91104-28-101	gasket
91104	91104-28-186	gasket
91104	91104-28-78	bursting disc
91104	91104-28K-125	bursting cap
91104	91104-32-78	bursting disc
91104	91104-46-174	bursting disc
91205	496	sealing ring
91205	91205-105-340	sealing ring
91205	91205-51K-506	sealing ring
91205	91205-54-506	sealing ring
91205	91205-54-77	sight glass
91205	91205-61K-53	screw
91205	91205-61K-65	flange
91205	91205-61K-746	door fastener
91205	91205-61K-77	sight glass
91205	91205-66-496	sealing ring
91205	91205-66-77	sight glass
91205	91205-66A-496	sealing ring
91205	91205-91-340	sealing ring
91205	91205-E51-506	sealing ring
91205	91205-E66-496	sealing ring

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MAN B&W L50MC ,S50MC,MC-C MAIN ENGINE

Drawing	Part NO.	NAME
90101	18	screw
90101	31	nut
90101	43	hydraulic nut
90101	55	cylinder cover
90101	67	nut
90101	79	gasket
90101	80	flange
90101	92	cylinder cover
90101	102	cooling jacket
90101	114	cooling jacket
90101	117	safety valve comp. 170bar.
90101	126	cooling jacket
90101	138	gasket
90101	151	gasket
90101	163	disc
90101	175	protective cap
90101	187	guide pin
90101	199	housing
90101	209	screw
90101	210	disc
90101	222	disc
90101	234	guide pin
90101	246	guide pin
90101	258	guide pin
90101	271	gasket
90101	283	stud with guide face for fuel valve
90101	295	stud for fuel valve
90101	305	pipe for fuel valve
90101	317	pipe branch
90101	329	gasket

90101	330	o-ring(viton)
90101	342	o-ring(viton)
90101	449	o-ring(viton)
90102	74	venting screw
90102	108	o-ring with back-up ring
90102	121	o-ring with back-up ring
90102	169	quick coupling-male
90103	19	connect piece
90103	20	gasket
90103	32	extension
90103	44	gasket
90103	56	gasket
90103	68	gasket
90103	81	flange
90103	93	locking nut
90103	103	locking washer
90103	115	flange
90103	127	extension
90103	139	gasket
90103	140	screw
90103	152	star washer
90103	164	indicator valve complete
90103	176	stud
90103	188	locking nut
90201	11	piston crown
90201	23	locking washer
90201	35	locking wire
90201	47	locking wire
90201	59	locking wire
90201	60	piston ring,left cut,height=9.5mm
90201	72	piston crown
90201	84	pipe for cooling insert
90201	89	locking wire
90201	96	piston ring,left cut,height=9.5mm
90201	106	o-ring(viton)
90201	118	piston crown(Brand New)
90201	131	d-ring(viton)

90201	143	flange
90201	155	o-ring(viton)
90201	167	d-ring(viton)
90201	179	d-ring(viton)
90201	180	piston skirt
90201	192	screw
90201	226	locking wire
90201	106A	o-ring(viton)
90201	106B	o-ring(viton)
90201	143A	o-ring(viton)
90201	143B	d-ring(viton)
90205	13	locking washer
90205	25	housing
90205	37	locking washer
90205	49	nut
90205	50	flange
90205	62	flange
90205	74	guide pin
90205	86	cover sealing ring(with spring)
90205	98	screw
90205	108	flange
90205	121	lamella(3pcs/set)
90205	133	lamella(3pcs/set)
90205	145	o-ring(nbr)
90205	157	fitted bolt
90205	169	cover sealing ring(with spring)
90205	170	cover sealing ring(with spring)
90205	182	screw
90205	194	fitted bolt
90205	204	fitted bolt
90205	216	housing for stuffing box
90205	228	spring
90205	241	spring
90205	253	spring
90704	12	o-ring(viton)
90704	16	screw
90704	28	cover

90704	41	gasket
90704	53	locking nut
90704	65	bushing
90704	77	bush
90704	89	bush
90704	90	bush
90704	100	bushing
90704	112	gasket
90704	124	o-ring(viton)
90704	136	locking nut
90704	148	o-ring(viton)
90704	161	piston
90801	13	eye bolt
90801	25	cover
90801	37	o-ring(nbr)
90801	49	packing
90801	50	flange
90801	60	orifice plug
90801	62	gasket
90801	74	bottom piece
90801	86	o-ring(viton)
90801	98	lock washer
90801	108	disc
90801	121	bottom piece
90801	133	conical ring in 2/2
90801	145	lock washer
90801	157	exhaust valve spindle complete
90801	169	air cylinder
90801	170	hex. head plug screw
90801	182	air piston
90801	194	ball cock
90801	204	flange
90801	216	gasket
90801	228	cover
90801	241	cup point screw
90801	253	spring pin
90801	255	piston ring

90801	265	screw
90801	277	exhaust valve spindle(length=999.5mm)
90801	289	flange
90801	290	flange
90801	300	air cylinder
90801	312	o-ring(viton)
90801	324	exhaust valve seat
90801	336	exhaust valve bush
90801	348	gasket
90801	361	o-ring(viton)
90801	373	guide ring
90801	385	sealing ring
90801	397	gasket
90801	407	o-ring(viton)
90801	419	gasket
90801	420	disc
90801	432	screw
90801	444	cooling water connection
90801	456	piston complete
90801	468	air piston
90801	481	flange
90801	503	nut
90801	515	damper piston
90801	527	eye bolt
90801	539	screw
90801	576	o-ring(viton)
90801	588	flange
90801	611	rod-lift check
90801	623	o-ring(nbr)
90801	635	flange
90801	647	bushing(material:c3)
90801	659	exhaust valve bush
90801	660	spring
90801	672	gasket
90801	684	plug screw
90801	696	cooling water connection
90801	706	cooling water connection

90801	718	non return valve
90801	731	cooling water connection
90801	743	gasket
90801	755	hex. head plug screw
90801	764	ball cock
90801	767	ball cock
90801	779	pin
90801	780	guide pipe
90801	792	gasket
90801	802	screw
90801	814	cover
90801	826	exhaust valve spindle(length=999.5mm)
90801	838	exhaust valve housing
90801	851	spring retainer
90801	863	o-ring(viton)
90801	875	exhaust valve seat
90801	887	o-ring(viton)
90801	899	conical ring in 2/2
90801	909	non return valve
90801	910	spring retainer
90801	922	spring pin
90802	6	non return valve
90802	19	screw
90802	20	o-ring(viton)
90802	32	filter plate inside
90802	44	gasket
90802	56	filter housing
90802	93	o-ring(viton)
90802	103	o-ring(viton)
90802	105	o-ring(viton)
90802	107	o-ring(viton)
90802	108	o-ring(viton)
90802	127	sealing air control unit
90802	139	screw
90802	152	coupling
90802	164	orifice pipe
90802	176	coupling

90802	188	distance pipe
90802	211	non return valve
90802	235	o-ring(viton)
90802	247	valve spindle
90802	259	valve housing
90802	260	o-ring(viton)
90802	272	pressure spring
90802	284	cover
90802	909	non return valve
90803	14	eye bolt
90803	26	lifting attachment
90803	38	banjo coupling
90803	51	orifice plug
90803	63	gasket
90803	75	packing
90803	87	orifice plug
90803	99	gasket
90803	109	oil cylinder
90803	110	disc
90803	122	lock washer
90803	134	air piston
90803	158	guide pipe
90803	171	union nut
90803	183	coupling
90803	195	o-ring(nbr)
90803	205	disc
90803	217	guide ring
90803	229	screw
90803	230	non-return valve
90803	242	oil cylinder
90803	249	gasket
90803	254	oil cylinder
90803	266	nut
90803	278	gasket
90803	291	nut
90803	301	guide pin
90803	313	orifice plug

90803	325	nut
90803	337	air cylinder
90803	349	air cylinder,complete
90803	350	lock washer
90803	362	disc
90803	374	guide ring
90803	386	disc
90803	398	conical ring in 2/2
90803	408	conical ring in 2/2
90803	421	cup point screw
90803	433	air piston
90803	445	guide pipe
90803	457	cup point screw
90803	469	air cylinder
90803	470	gasket
90803	482	non return valve
90803	494	gasket
90803	504	gasket
90803	516	o-ring(nbr)
90803	528	o-ring(nbr)
90803	541	non return valve
90803	553	locking wire
90803	565	disc
90803	577	conical ring in 2/2
90803	589	non return valve
90803	590	piston
90803	600	damper piston
90803	612	guide ring
90803	624	piston
90803	636	disc
90803	648	disc
90803	661	piston ring
90803	673	piston ring
90804	21	gasket
90804	33	o-ring(viton)
90804	45	safety valve
90804	111	plug screw

90804	905	o-ring(viton)
90805	15	bushing(material:c3)
90805	27	oil cylinder
90805	39	nut
90805	52	gasket
90805	64	thrust disc
90805	76	roller guide
90805	88	disc
90805	111	bushing
90805	123	plug screw
90805	135	bushing
90805	147	disc
90805	159	bushing
90805	160	disc
90805	172	guide pin
90805	184	guide pin
90805	196	nut
90805	206	plug screw
90805	218	oil cylinder
90805	231	bushing
90805	243	disc
90805	255	piston ring
90805	267	disc
90805	279	guide pin
90805	280	screw
90805	292	key
90805	302	o-ring(nbr)
90805	314	disc
90805	326	roller
90805	338	locking plate
90805	351	piston
90805	375	non return valve
90805	387	nut
90805	410	piston ring
90805	434	screw
90805	458	screw
90805	483	roller

90806	10	clamp
90806	17	o-ring
90806	22	nut
90806	34	non return valve complete
90806	46	coupling
90806	58	clamp
90806	71	nut
90806	83	gasket
90806	95	flange
90806	105	clamp
90806	117	cooling water connection
90806	129	coupling
90806	130	o-ring(nbr)
90806	142	hydraulic pipe,complete
90806	154	cap nut-roind
90806	166	o-ring(viton)
90806	168	screw
90806	178	coupling
90806	191	coupling
90806	201	elbow union
90806	213	intermediate piece
90806	225	intermediate piece
90806	237	gasket
90806	249	gasket
90806	250	flange
90806	262	o-ring(viton)
90806	274	clamp
90806	286	cooling water connection
90806	296	gasket
90806	298	gasket
90806	308	flange
90806	321	nut
90806	333	cooling water connection
90806	345	housing
90806	357	screw
90806	369	housing
90806	370	spindle

90806	382	nut
90810	12	screw
90810	24	butterfly valve(dn:40)
90810	36	compensator dn40
90810	48	gasket
90810	61	butterfly valve(dn:40)
90810	62	gasket
90810	73	screw
90810	85	nut
90810	97	gasket
90810	107	gasket
90810	119	gasket
90810	120	orifice plate
90810	132	gasket
90810	144	compensator dn40
90810	156	screw
90810	168	packing
90810	181	packing
90810	193	screw
90810	203	plug screw
90810	203	screw
90810	215	nut
90810	215	packing
90810	227	screw
90810	239	nut
90810	240	gasket
90810	252	orifice plate
90810	264	gasket
90810	276	gasket
90810	288	gasket
90810	347	screw
90810	359	compensator dn40
90810	396	gasket
90810	406	screw
90810	418	screw
90810	455	nut
90811	234	compensator dn40

90811	246	butterfly valve(dn:40)
90851	28	gauge for exh. v/v spindle
90851	77	cone ring
90862	16	o-ring with back-up ring
90862	28	o-ring with back-up ring
90862	41	o-ring with back-up ring
90862	53	o-ring with back-up ring
90862	65	o-ring with back-up ring
90901	0	h.p.fuel pump
90901	1	fuel pump complete (42mm.dia.)
90901	17	gasket
90901	29	fuel pump housing
90901	30	guide pin
90901	42	gasket
90901	54	packing
90901	66	oriface plate
90901	78	gasket
90901	91	guide bushing
90901	101	sleeve
90901	113	plug screw
90901	125	regulating guide
90901	137	cylindrical pin
90901	149	screw
90901	150	fuel pump housing
90901	162	banjo coupling
90901	174	gasket
90901	186	guide pin
90901	198	gasket
90901	208	cylindrical pin
90901	221	guide bushing,complete
90901	233	cup point screw
90901	245	back-up ring
90901	257	gasket
90901	269	back-up ring
90901	270	top cover
90901	282	disc
90901	294	felt ring

90901	304	banjo coupling
90901	316	felt ring
90901	328	guide pin
90901	341	nut
90901	353	back-up ring
90901	365	o-ring(viton)
90901	377	back-up ring
90901	389	nut
90901	390	nut
90901	400	nut
90901	412	spring
90901	424	barrel & plunger complete
90901	436	screw
90901	448	disc
90901	461	screw
90901	473	sealing ring(plunger dia=52mm)
90901	485	o-ring(viton)
90901	497	sealing ring
90901	507	barrel and plunger complete
90901	519	housing
90901	520	sealing bush complete
90901	532	pump barrel ,item 544
90901	544	pump barrel & plunger complete(dia=52mm)
90901	556	plug
90901	568	air piston
90901	581	o-ring(viton)
90901	593	o-ring(viton)
90901	603	screw
90901	615	back-up ring(plunger dia=42mm)
90901	620	sealing ring
90901	627	cover
90901	639	conical ring in 2/2
90901	640	cone
90901	652	puncture valve, complete(M64)
90901	664	air piston
90901	676	gasket
90901	688	housing-puncture valve

90901	711	o-ring(viton)
90901	723	pump barrel and top cover complete
90901	735	gasket
90901	747	puncture valve,complete
90901	759	suction valve complete
90901	772	combined puncture and suction valve,complete
90901	784	gasket
90901	796	sealing ring(113X101)
90901	806	spacer ring with spring
90901	818	spacer ring with spring
90901	831	sealing ring
90901	843	sealing ring
90901	855	o ring
90901	867	protective cap
90901	879	pipe union
90901	880	pipe,l=730
90901	892	banjo coupling
90901	902	pipe union
90901	914	plate-round
90901	926	banjo coupling
90901	938	plug screw
90901	951	plate-round
90902	24	shaft-pin for link
90902	36	plug screw
90902	48	locking nut
90902	61	set screw with dog point
90902	73	roller
90902	85	bushing
90902	97	disc
90902	107	screw
90902	120	guide pin
90902	144	shaft
90902	156	nut
90902	168	guide pin
90902	181	bushing
90902	193	pin
90902	215	link for reversing

90902	227	guide pin
90902	240	air cylinder(stroke:100mm)
90902	264	screw
90902	276	guide pin
90902	288	roller guide
90902	311	bushing
90902	323	flange
90902	335	screw
90902	347	plug screw
90902	360	base plate
90902	372	cap
90902	384	locking nut
90902	396	plug screw
90902	406	spring
90902	418	screw
90902	431	scraper ring,axial
90902	443	air cylinder
90902	455	holder for scraper ring
90902	467	bushing
90902	479	arm for reversing
90902	480	link for reversing
90902	492	coupling
90902	502	roller
90902	514	pump base
90902	526	packing
90902	538	set screw with dog point
90902	551	flange
90902	563	screw
90902	575	guide pin
90902	587	disc
90902	599	guide pin
90902	609	guide block
90902	610	screw
90902	622	roller guide for fuel
90902	634	guide pin
90902	646	spring seat disc
90902	658	screw

90902	671	o-ring(viton)
90902	683	link for reversing
90902	695	roller
90902	705	fuel pump roller guide complet
90902	717	washer
90902	742	bush
90902	754	screw
90902	766	o-ring(viton)
90903	55	nut
90903	67	locking plate
90903	92	guide pin
90903	114	screw
90903	126	screw
90903	151	guide pin
90904	13	gasket
90904	25	spring guide
90904	37	stud
90904	49	bottom flange
90904	50	gasket
90904	62	gasket
90904	74	nut
90904	86	locking washer
90904	89	piston for shock absorber
90904	98	spring external
90904	108	spring internal
90904	121	gasket
90904	133	sealing ring
90904	145	stud
90904	157	bottom flange
90904	169	gasket
90904	170	housing for shock absorber
90904	182	wearing ring
90904	194	piston for shock absorber
90904	204	piston for shock absorber
90904	253	nut
90904	265	washer
90904	277	sealing ring

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MAN B&W L46MC ,S80MC,S80MC ,MC-C MAIN ENGINE

DRAWINGS	PART NO.	NAME
90101	18	screw
90101	31	protective cap
90101	43	hydraulic nut
90101	55	stud for exhaust valve
90101	79	nut
90101	80	stud for starting valve
90101	92	cylinder cover
90101	102	o-ring(viton)
90101	114	cooling jacket
90101	126	cooling jacket
90101	138	gasket
90101	151	spacer tube
90101	163	nut
90101	175	spacer tube
90101	187	screw
90101	209	screw
90103	19	connect piece
90103	20	gasket
90103	32	extension
90103	56	gasket
90103	68	gasket
90103	81	indicator valve complete
90103	93	screw
90103	103	locking washer
90103	115	flange
90103	139	guard
90103	140	screw
90103	152	star washer
90103	176	stud
90103	188	locking nut
90201	11	screw
90201	23	screw
90201	35	screw

90201	47	locking wire
90201	59	screw
90201	60	screw
90201	118	piston crown
90201	155	piston crown(new,ccs certificate)
90201	167	d-ring(viton)
90201	179	d-ring(viton)
90201	180	piston skirt
90201	192	screw
90201	226	piston skirt
90205	13	nut
90205	37	scraper ring(with lamella,spring)
90205	49	scraper ring(with lamella,spring)
90205	50	flange
90205	62	flange
90205	74	guide pin
90205	86	screw
90205	98	screw
90205	108	screw
90205	121	lamella(3pc/set)
90205	133	lamella(3pc/set)
90205	145	o-ring(nbr)
90205	157	top scraper ring(with spring)
90205	169	sealing ring(with spring)
90205	170	sealing ring(with spring)
90205	182	screw
90205	194	fitted bolt
90205	204	fitted bolt
90205	216	housing for stuffing box
90205	228	spring
90205	241	spring
90205	253	spring
90301	15	screw
90301	27	protective cap
90301	39	hydraulic nut
90301	40	stud-cyl.cover
90301	52	o-ring(viton)
90301	267	o-ring(nbr)
90301	279	packing

90301	326	o-ring(viton)
90301	363	o-ring(nbr)
90302	10	cooling jacket
90302	22	clamp
90302	34	screw
90302	46	cylinder liner(ccs certificate)
90302	58	piston cleaning ring
90302	71	non-return valve,complete
90302	83	non-return valve(length=89.5mm)
90302	95	o-ring(viton)
90302	105	gasket
90302	117	cooling water connection
90302	129	gasket
90302	130	cooling water pipe(length=75mm)
90302	142	screw
90302	154	cooling water connection
90302	166	gasket
90302	178	o-ring(viton)
90302	191	gasket
90302	201	o-ring(viton)
90302	213	cooling water pipe(length=75mm)
90302	225	screw
90302	237	o-ring(viton)
90307	80	sealing ring
90307	271	o-ring(viton)
90307	305	o-ring(viton)
90307	329	o-ring(viton)
90307	342	o-ring(viton)
90307	498	o-ring(viton)
90307	508	o-ring(viton)
90503	74	screw
90503	108	damping plate
90503	121	coupling
90503	133	cable tie
90503	169	packing
90503	182	screw
90503	194	spring washer
90503	204	shield lower part
90503	216	packing

90503	253	gasket
90503	265	washer
90612	220	connect piece
90612	232	guard
90612	303	indicator valve complete
90702	90702-52-218	gasket
90702	90702-52-418	gasket
90703	191	bushing
90703	249	air cylinder
90703	274	sealing ring
90703	298	reversing disc
90703	345	3/2 way valve
90703	357	sealing ring
90703	370	o-ring
90703	382	o-ring
90703	394	piston ring
90703	404	piston ring
90704	16	screw
90704	28	cover
90704	41	gasket
90704	53	locking nut
90704	77	piston
90704	89	bush
90704	90	bush
90704	100	bushing
90704	112	valve housing
90704	124	o-ring(viton)
90704	136	locking nut
90704	161	piston
90801	13	o-ring(viton)
90801	25	cup point screw
90801	49	union nut
90801	50	screwed connection
90801	62	gasket
90801	74	bottom piece
90801	86	o-ring(viton)
90801	98	bottom piece
90801	108	o-ring(viton)
90801	133	disc

90801	145	cover
90801	157	screw
90801	169	gasket
90801	170	sealing ring
90801	182	conical ring
90801	194	air cylinder piston
90801	204	o-ring(viton)
90801	216	coupling
90801	228	ball cock
90801	253	throttle valve
90801	265	gasket
90801	277	plug screw
90801	289	gasket
90801	300	non return valve
90801	324	eye bolt
90801	348	stud
90801	361	nut
90801	373	air cylinder
90801	385	spring pin
90801	407	gasket
90801	419	o-ring(nbr)
90801	420	flange
90801	432	screw
90801	444	cooling water connection
90801	468	o-ring(viton)
90801	481	sealing ring
90801	503	spring
90801	515	spring retainer
90801	527	spring pin
90801	539	screw
90801	540	flange
90801	552	spacer ring
90801	564	o-ring(viton)
90801	588	damper piston
90801	611	piston
90801	623	spring
90801	647	piston ring
90801	659	piston,complete
90801	672	safety handrail

90801	696	screw
90801	706	disc
90801	731	safety valve,with o-ring
90801	743	o-ring(viton)
90801	755	gasket
90801	767	cover
90801	779	gasket
90801	780	screw
90801	792	valve spindle guide
90801	814	valve housing
90801	826	set screw with dog point
90801	838	o-ring(viton)
90801	851	bottom piece
90801	863	valve spindle
90802	19	filter, complete
90802	20	pressure spring
90802	32	cover
90802	44	screw
90802	56	gasket
90802	68	valve spindle
90802	93	air cylinder
90802	103	filter plate inside
90802	115	filter plate inside
90802	127	gasket
90802	139	gasket
90802	140	o-ring(viton)
90802	152	o-ring(viton)
90802	164	orifice plug
90802	176	o-ring(viton)
90802	211	orifice plug
90802	909	non return valve
90803	14	pin
90803	26	cup point screw
90803	51	union nut
90803	63	screwed connection
90803	75	gasket
90803	87	o-ring(nbr)
90803	99	eye bolt
90803	109	spring retainer

90803	110	spring pin
90803	122	rotation check rod
90803	134	disc
90803	146	o-ring(viton)
90803	158	star washer
90803	171	coupling
90803	195	ball cock
90803	205	union nut
90803	217	gasket
90803	229	o-ring(nbr)
90803	230	gasket
90803	242	plug screw
90803	254	stud
90803	266	nut
90803	278	cup point screw
90803	291	disc
90803	301	rotation check rod
90803	313	non return valve
90803	325	pin
90803	337	o-ring(viton)
90803	349	flange
90803	350	sealing ring
90803	362	spacer ring
90803	374	air cylinder
90803	386	eye bolt
90803	408	screw
90803	421	screw
90803	433	disc
90803	445	guide ring
90803	457	conical ring
90803	469	air cylinder piston
90803	470	guide ring
90803	494	air cylinder piston
90803	504	o-ring(viton)
90803	516	o-ring(viton)
90803	528	slide
90803	541	spring
90803	553	actuator piston
90803	565	actuator piston

90803	577	slide
90803	589	piston
90803	590	safety handrail
90803	600	conical ring
90803	612	o-ring(viton)
90803	624	actuator piston,complete
90803	636	actuator piston,complete
90803	90803-33-109	spring retainer
90803	90803-33-110	spring pin
90803	90803-33-122	rotation check rod
90803	90803-33-146	o-ring(viton)
90803	90803-33-171	coupling
90803	90803-33-195	ball cock
90803	90803-33-217	gasket
90803	90803-33-229	throttle valve
90803	90803-33-230	gasket
90803	90803-33-242	plug screw
90803	90803-33-266	nut
90803	90803-33-291	disc
90803	90803-33-301	star washer
90803	90803-33-313	non return valve
90803	90803-33-337	o-ring(viton)
90803	90803-33-349	flange
90803	90803-33-350	sealing ring
90803	90803-33-362	spacer ring
90803	90803-33-374	air cylinder
90803	90803-33-408	screw
90803	90803-33-445	guide ring
90803	90803-33-457	sealing ring
90803	90803-33-469	air cylinder piston
90803	90803-33-494	screw
90803	90803-33-504	o-ring(viton)
90803	90803-33-51	union nut
90803	90803-33-516	piston
90803	90803-33-528	slide
90803	90803-33-541	spring
90803	90803-33-553	actuator piston
90803	90803-33-565	disc
90803	90803-33-589	piston ring

90803	90803-33-612	o-ring(viton)
90803	90803-33-63	screwed connection
90803	90803-33-636	actuator piston complete
90803	90803-33-75	gasket
90803	90803-33-87	o-ring(nbr)
90803	90803-33-99	spring
90803	90803-33E-109	spring retainer
90803	90803-33E-146	o-ring(viton)
90803	90803-33E-337	o-ring(viton)
90803	90803-33E-350	sealing ring
90803	90803-33E-445	guide ring
90803	90803-33E-457	sealing ring
90803	90803-33E-612	o-ring(viton)
90803	90803-33E-87	o-ring(nbr)
90804	21	gasket
90804	45	safety valve
90804	905	o-ring(viton)
90804	90804-3-21	safety valve
90804	90804-3-33	o-ring(viton)
90804	90804-3-45	gasket
90805	15	stud
90805	27	stud
90805	39	piston
90805	64	thrust disc
90805	88	shaft-pin for roller
90805	111	plug screw
90805	135	bushing
90805	147	disc
90805	159	roller guide,complete
90805	172	o-ring(viton)
90805	184	roller guide
90805	196	shaft-pin for roller
90805	206	plug screw
90805	218	oil cylinder
90805	231	bushing
90805	243	disc
90805	255	screw
90805	267	disc
90805	279	guide pin

90805	280	screw
90805	292	key
90805	302	roller
90805	351	piston
90805	399	oil cylinder
90805	410	piston ring
90805	422	disc
90805	434	screw
90805	458	screw
90805	471	key
90805	483	roller
90805	505	disc
90805	517	spring
90805	90805-129-410	piston ring
90805	90805-129-517	spring
90806	10	thrust flange
90806	22	screw
90806	34	retaining ring
90806	46	o-ring(viton)
90806	58	coupling
90806	71	sleeve in 2/2
90806	83	o-ring(nbr)
90806	95	o-ring(nbr)
90806	105	intermediate piece
90806	117	o-ring(viton)
90806	129	coupling
90806	130	hydraulic pipe,complete
90806	142	coupling
90806	154	sleeve in 2/2
90806	166	screw
90806	178	coupling
90806	191	gasket
90806	201	flange
90806	213	retaining ring
90806	225	intermediate piece
90806	237	cooling water connection
90810	36	gasket
90810	156	gasket
90901	17	stud

90901	29	nut
90901	30	plate-round
90901	42	plug screw
90901	54	packing
90901	66	plug screw
90901	78	cylindrical pin
90901	91	guide bushing
90901	113	plug screw
90901	125	toothed bar
90901	149	shim
90901	150	fuel pump housing
90901	162	guide pin
90901	174	regulating guide
90901	198	gasket
90901	208	gasket
90901	221	screw
90901	233	o-ring(viton)
90901	245	back-up ring
90901	257	o-ring(viton)
90901	269	back-up ring
90901	270	union screw
90901	282	pointer
90901	294	felt ring
90901	304	pointer
90901	316	felt ring
90901	328	guide pin
90901	341	o-ring(viton)
90901	353	back-up ring
90901	365	o-ring(viton)
90901	377	back-up ring
90901	389	o-ring(viton)
90901	390	nut
90901	400	nut
90901	424	restriction plug
90901	436	screw
90901	461	screw
90901	485	o-ring(viton)
90901	497	sealing ring
90901	507	spring

90901	519	housing
90901	520	sealing ring
90901	544	screw
90901	556	plug
90901	568	air piston
90901	593	air piston
90901	603	flexible connection,complete
90901	615	housing
90901	627	o-ring(viton)
90901	639	conical ring in 2/2
90901	640	cone
90901	652	spring
90901	664	spindle
90901	676	housing
90901	711	pump barrel,complete(plunger dia=52mm)
90901	723	pump barrel and top cover,complete
90901	747	puncture valve,complete
90901	759	suction valve,complete
90901	772	comb,puncture valve+suction
90902	12	fuel pump roller guide,complete
90902	24	shaft-pin for link
90902	36	plug screw
90902	48	plug screw
90902	61	bushing
90902	73	pin
90902	85	bushing
90902	97	disc
90902	107	plug screw
90902	120	set screw with dog point
90902	132	roller
90902	144	bushing
90902	156	disc
90902	168	shaft-pin for roller
90902	181	bushing
90902	193	pin
90902	323	flange
90902	335	screw
90902	347	plug screw
90902	359	o-ring(viton)

90902	360	cap
90902	372	cap
90902	384	locking nut
90902	396	screw
90902	406	flange
90902	418	scraper ring,axial
90902	431	holder for scraper ring
90902	443	flange
90902	455	holder for scraper ring
90902	467	locking wire
90902	479	screw
90902	480	screw
90902	492	nut
90902	502	pump base
90902	514	pump base
90902	526	packing
90902	538	sight class
90902	551	flange
90902	563	flange
90902	587	disc
90902	599	stud
90902	609	spring,internal
90902	610	spring,internal
90902	622	spring
90902	634	spring seat disc
90902	646	spring seat disc
90902	671	o-ring(viton)
90904	25	spring guide
90904	37	stud
90904	50	plug screw
90904	62	gasket
90904	74	nut
90904	86	locking washer
90904	121	gasket
90904	133	sealing ring
90904	145	stud
90904	157	screw
90904	169	gasket
90904	170	housing for shock absorber

90904	182	wearing ring
90904	194	piston for shock absorber
90905	19	shaft
90905	20	guide for reversing
90905	32	distance pipe
90905	44	locking nut
90905	56	guard
90905	68	screw
90905	93	cover
90905	103	screw
90905	115	bolt
90905	127	flange for air cylinder
90905	139	arr of reversing
90905	152	screw
90905	164	bush
90905	176	air cylinder(stroke:100mm)
90905	211	screw
90905	223	pipe union
90905	235	reducing socket
90905	247	ball valve
90905	259	coupling
90910	0	fuel valve complete
90910	16	thrust piece
90910	53	spindle guide
90910	65	nozzle 4X1.05mm
90910	77	spindle guide complete(without nozzle)
90910	89	o-ring(viton)
90910	90	holder
90910	100	guide pin
90910	112	union nut
90910	124	o-ring(viton)
90910	148	o-ring(viton)
90910	161	fuel valve head(m36X2)
90910	173	guide pin
90910	185	spring
90910	197	non-return valve,complete
90910	219	thrust spindle
90910	220	spring
90910	232	spring guide

MAN 46MC

MAN 46MC-C

90910	244	thrust foot (height=41mm)
90910	268	disc(0.75mm)
90910	950	disc(0.75mm)

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ENGINEERING

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MAN B&W L35MC ,S35MC,MAIN ENGINE

DRAWINGS	PART NO.	NAME
90101	18	hydraulic nut
90101	31	nut
90101	43	cylinder cover(ccs certificate)
90101	55	screw
90101	67	cylinder cover
90101	79	cooling jacket
90101	80	screw
90101	87	hydraulic nut
90101	92	o-ring(viton)
90101	102	cooling jacket
90101	114	distance pipe
90101	126	screw
90101	138	cooling pipe
90101	151	cooling pipe
90101	163	o-ring(nbr)
90101	175	gasket
90101	187	flange
90101	188	gasket
90101	199	gasket
90101	209	guide pin
90101	277	gasket
90101	366	stud for exhaust valve
90101	544	nut
90101	633	screw
90101	722	stud
90101	811	gasket
90101	900	pipe branch
90101	1078	screw
90101	1167	cooling pipe
90101	1345	nut
90101	1434	distance pipe
90101	1523	stud for fuel valve
90101	1612	gasket
90101	1701	plug screw
90101	1890	gasket
90101	1989	flange
90101	2057	o-ring(nbr)
90101	2146	screw
90103	90103-7-81	indicator valve complete
90201	11	screw
90201	23	screw

90201	35	locking wire
90201	47	piston skirt
90201	96	pipe for cooling
90201	118	o-ring(viton)
90201	131	o-ring(viton)
90201	143	o-ring(viton)
90201	155	d-ring(viton)
90201	167	screw
90201	179	screw
90201	202	washer
90201	364	stud
90201	391	nut
90201	404	screw
90201	593	locking plate
90201	668	screw
90201	682	cooling pipe
90201	757	washer
90201	771	spring pin
90201	846	flange
90201	959	locking plate
90201	1027	screw
90201	1192	scraper ring,dia=122mm
90201	1394	o-ring(viton)
90201	1469	spring pin
90201	1483	lock washer
90201	1558	sealing ring(dia=122mm)
90201	1572	screw
90201	1736	sealing ring
90201	1750	locking wire
90201	1849	screw
90201	1938	shim
90201	2006	screw
90201	2082	scraper ring (dia=122mm)
90201	2171	spring
90201	2195	screw
90201	2359	housing
90201	11920	heco-base ring,dia=122mm
90201	H6	locking wire
90205	13	o-ring(nbr)
90205	25	locking nut
90205	50	nut
90205	74	top scraper ring,with spring
90205	86	spring
90205	98	cover sealing ring
90205	108	spring pin
90205	113	o-ring
90205	121	pack sealing ring
90205	133	sealing ring,complete

90205	145	sealing ring
90205	157	spring
90205	169	holder
90205	194	pin
90205	202	washer
90205	204	scraper ring,complete
90205	216	holder,item 204
90205	228	guide pin
90205	241	holder
90205	253	scraper ring complete
90205	277	stuffing box housing,item 289
90205	289	stuffing box housing,item 289
90205	290	fitted bolt
90205	312	flange
90205	324	pin
90205	401	o-ring(nbr)
90205	403	scraper ring,complete
90205	405	sealing ring,complete
90205	407	sealing ring,complete
90205	408	sealing ring,complete
90205	410	scraper ring,complete
90205	431	guide pin
90205	432	screw
90205	668	screw
90205	757	washer
90205	846	flange
90205	1192	scraper ring,dia=122mm
90205	1370	scraper ring,complete
90205	1469	spring pin
90205	1558	sealing ring(dia=122mm)
90205	1647	packing sealing ring,complete
90205	1736	sealing ring
90205	1825	cover sealing ring,complete
90205	1914	lamella for scraper ring(3pcs/set),dia=122mm
90205	2082	heco-base ring,dia=122mm
90205	2171	spring
90205	2359	housing
90205		o-ring
90302	10	cooling jacket
90302	22	clamp
90302	34	cooling pipe
90302	46	cylinder liner(brand new,ccs cert)
90302	58	cooling pipe
90302	71	o-ring(nbr)
90302	83	gasket
90302	95	cooling water connection
90302	105	gasket
90302	117	cooling jacket

90302	129	cooling water connection
90302	130	clamp
90302	142	o-ring(nbr)
90302	154	cooling jacket
90302	155	cooling jacket
90302	166	cooling pipe
90302	178	piston clean ring(404X348.4X9.5)
90302	191	gasket
90302	201	clamp
90302	213	cylinder liner(new,ccs cert)
90302	224	plug screw
90302	225	non-return valve(length=89.5mm)
90302	237	o-ring(viton)
90302	244	gasket(399X355X1)
90302	249	spring
90302	250	steel ball
90302	262	valve housing
90302	274	cylinder liner(ccs certificate)
90302	292	stud
90302	333	cylinder liner(ccs certificate)
90302	410	stud
90302	422	distance pipe
90302	511	cylinder liner(new,ccs cert)
90302	600	o-ring(viton)
90302	799	gasket
90302	888	o-ring(viton)
90302	977	screw
90302	1045	o-ring(nbr)
90302	1134	screw
90302	1223	flange
90302	1312	plug screw
90302	1401	clamp
90302	1590	gasket
90302	1689	flange
90302	1778	screw
90302	1867	o-ring(nbr)
90302	1956	cooling pipe
90302	2024	cooling water connection,complete
90302	2113	screw
90302	2202	clamp
90302	H1	cylinder liner(new,ccs cert)
90302	H100	non-return valve(length=89.5mm)
90302	H2	cooling jacket
90304	11	head,non-return valve
90304	23	non-return valve
90304	35	housing
90304	59	non-return valve,complete
90612	16	handle

90612	28	roller guide,complete
90612	41	circlip
90612	53	liner
90612	65	housing
90612	77	spring
90612	89	flange
90612	90	liner
90612	100	circlip
90612	112	liner
90612	124	screw
90612	136	key
90612	148	shaft
90612	161	intermediate piece
90612	185	screw
90612	197	cup point screw
90612	207	screw
90612	219	washer
90612	232	gasket
90612	244	stud
90612	250	gasket
90612	256	locking nut
90612	268	gasket
90612	281	extension
90612	293	connect piece
90612	303	spring pin
90612	315	extension
90612	339	guard
90612	340	screw
90612	349	gasket
90612	352	extension
90612	364	flange
90612	388	guard
90612	411	screw
90612	423	locking washer
90612	438	screw
90612	527	lock washer
90612	983	screw
90612	1140	flange
90612	1328	extension
90801	13	pin
90801	25	cup point screw
90801	37	oil cylinder
90801	49	o-ring(viton)
90801	50	non return valve
90801	62	plug screw
90801	74	bottom piece(w type)
90801	86	o-ring(viton)
90801	98	packing

90801	108	nut
90801	121	coupling
90801	131	cover
90801	133	disc
90801	145	cover
90801	157	packing
90801	169	conical ring in 2/2
90801	170	air piston
90801	182	conical ring in 2/2
90801	194	gasket
90801	204	screw
90801	216	o-ring(nbr)
90801	220	cup point screw
90801	228	flange
90801	241	gasket
90801	253	gasket
90801	265	o-ring(nbr)
90801	277	rod.lift-rotation check
90801	289	ball cock
90801	290	o-ring(viton)
90801	300	sealing ring
90801	2199	o-ring(nbr)
90801	2288	piston
90801	2377	gasket
90801	2466	spindle guide(material:c4)
90801	2555	nut
90801	2644	intermediate piece
90801	2733	cover
90801	2822	air cylinder
90801	2911	bottom piece
90801	3089	exhaust valve spindle
90801	3178	gasket
90801	3267	o-ring(nbr)
90801	3356	conical ring in 2/2
90801	3445	intermediate piece
90801	3534	piston
90801	3623	o-ring(viton)
90801	3712	o-ring(viton)
90801	3801	bottom piece
90801	3990	exhaust valve spindle
90801	4068	gasket
90801	4157	spring
90801	4246	gasket
90801	4335	cover
90801	4424	o-ring(viton)
90801	4513	flange
90801	4602	lock washer
90801	4791	flange

90801	4880	screw
90801	4979	cooling water connection
90803	183	air piston
90803	195	o-ring(viton)
90803	217	eye screw
90803	229	cup point screw
90803	242	gasket
90803	266	gasket
90803	278	o-ring(nbr)
90803	301	ball cock
90803	325	eye screw
90803	349	flange
90803	362	gasket
90803	374	gasket
90803	386	o-ring(nbr)
90803	398	gasket
90803	421	nut
90803	494	damper piston
90803	504	piston
90803	516	guide ring
90803	577	disc
90804	21	o-ring(viton)
90804	33	o-ring(viton)
90804	45	gasket
90804	57	o-ring(viton)
90804	69	safety valve
90804	905	o-ring(viton)
90805	15	oil cylinder
90805	27	nut
90805	39	stud
90805	40	stud
90805	52	thrust piece
90805	64	roller guide
90805	88	screw
90805	123	bushing
90805	135	roller guide housing
90805	147	guide pin
90805	172	piston ring
90805	184	piston
90805	196	disc
90805	206	disc
90805	218	locking plate
90805	219	screw
90805	231	screw
90805	243	shaft pin
90805	255	shaft pin
90805	267	roller
90805	279	roller

90805	280	o-ring(nbr)
90805	292	guide pin
90805	302	screw
90805	314	flange
90805	326	o-ring(viton)
90805	338	valve housing
90805	351	valve flap
90805	363	spring
90805	375	non-return valve,complete
90805	395	gasket
90805	399	circlip
90805	409	spring
90805	484	nut
90805	573	oil cylinder
90805	662	stud
90805	751	stud
90805	840	piston
90805	939	spring
90805	1007	roller guide,complete
90805	1113	key
90805	1196	thrust piece
90805	1285	roller guide
90805	4222	non-return valve,complete
90805	4311	o-ring(nbr)
90806	10	hose,complete,
90806	83	coupling
90806	95	coupling
90806	105	drain pipe
90806	117	drain pipe
90806	129	coupling
90806	130	coupling
90806	142	coupling
90806	166	coupling
90806	191	coupling
90806	453	flange
90806	819	coupling
90806	1076	drain pipe
90810	97	gasket
90810	107	screw
90810	121	gasket
90810	132	gasket
90810	144	screw
90810	156	nut
90810	181	测流孔板
90810	193	cooling pipe
90810	210	screw
90810	227	gasket
90810	239	screw

90901	61	pin
90901	66	gasket
90901	91	guide pin
90901	97	pin
90901	101	gasket
90901	113	cup point screw
90901	125	gasket
90901	137	shims
90901	149	pump housing
90901	162	guide bushing
90901	174	felt ring
90901	180	top cover
90901	198	plug screw
90901	208	gasket
90901	221	screw
90901	233	back-up ring
90901	245	back-up ring
90901	257	cup point screw
90901	269	ring nut
90901	270	flange
90901	279	stud
90901	282	scraper ring
90901	294	spacer ring
90901	304	o-ring(viton)
90901	316	top cover
90901	328	guide pin
90901	341	back-up ring
90901	353	back-up ring
90901	365	o-ring(viton)
90901	368	nut
90901	377	back-up ring
90901	389	o-ring(viton)
90901	390	felt ring
90901	627	o-ring(viton)
90901	635	spring
90901	639	conical ring in 2/2
90901	640	cone
90901	652	spring
90901	664	o-ring(viton)
90901	676	holder
90901	688	o-ring(viton)
90901	711	plunger & barrel complete(dia=35mm)
90901	724	slide,item 546
90901	735	cone
90901	747	cone
90901	759	spring
90901	760	suction valve,complete
90901	772	spindle

90901	806	plate-round
90901	813	guide bushing
90901	818	plug screw
90901	831	puncture valve,complete
90901	843	suction valve,complete
90901	855	combined puncture and suction
90901	1070	restriction plug
90901	1258	ring nut
90901	1347	plunger & barrel complete
90901	1436	scraper ring for 28mm plunger
90901	1525	spacer ring
90901	1614	o-ring(viton)
90901	3761	guide pin
90901	3850	regulating guide
90901	3949	cup point screw
90901	4017	pointer
90901	4106	toothed bar
90901	4295	felt ring
90901	4384	gasket
90901	4562	screw
90901	4651	flange
90901	4740	screw
90901	3038&1347	pump barrel,complete
90902	12	nut
90902	24	base plate
90902	36	bushing,item 492
90902	48	roller guide housing
90902	61	guide pin
90902	73	guide block,item 492
90902	85	guide pin
90902	97	guide pin
90902	107	base plate
90902	288	nut
90902	311	guide pin
90902	323	cup point screw
90902	335	sealing ring
90902	337	stud
90902	347	holder
90902	359	sealing bush
90902	360	air cylinder
90902	372	flange
90902	384	scraper ring
90902	396	screw
90902	406	nut
90902	418	lock washer
90902	426	stud
90902	431	cover
90902	443	stud

90902	455	bushing
90902	467	cap
90902	479	o-ring(viton)
90902	480	link for reversing
90902	1227	roller
90902	1316	guide block
90902	1405	pin
90902	1594	pin
90902	1683	screw
90902	1772	gasket
90902	1861	plug screw
90902	1950	o-ring(nbr)
90902	2028	pin
90902	2117	bushing
90902	2395	cup point screw
90902	2427	pin
90902	2484	shaft
90902	2573	key
90902	2662	screw
90902	2751	bushing
90902	2840	shaft
90902	2939	shaft
90902	3007	pin
90902	3285	screw
90902	3374	guide spindle
90902	3463	guide for reversing
90902	3552	guide spindle
90902	3641	lock washer
90902	3730	screw
90902	3829	flange
90902	3918	screw
90902	4086	nut
90902	4175	air cylinder
90902	4311	o-ring(nbr)
90910	16	guide pin
90910	28	guide pin
90910	41	fuel valve head
90910	53	o-ring(viton)
90910	65	non-return valve,complete
90910	89	o-ring(viton)
90910	90	holder
90910	112	guide pin
90910	124	holder
90910	148	guide pin
90910	161	screw
90910	170	o-ring(viton)
90910	173	o-ring(viton)
90910	185	fuel valve head

90910	197	o-ring(viton)
90910	207	disc(h=0.3mm)
90910	219	disc(h=0.3mm)
90910	232	o-ring(viton)
90910	244	spring
90910	269	screw
90910	358	fuel valve head
90910	447	o-ring(viton)
90910	625	o-ring(viton)
90910	714	spring
90910	803	spindle guide complete
90910	901	housing
90910	902	slide valve
90910	903	thrust piece
90910	904	spindle guide
90910	950	disc(h=0.3mm)
90910	992	atomizer 5x0.5mm
90910	1060	pin
90910	1159	holder
90910	1248	o-ring(viton)
90910	1337	pin
90910	1700	o-ring(viton)
90913	24	coupling piece
90913	36	thrust bush
90913	48	o-ring(viton)
90913	61	high-pressure pipe,item 012
90913	73	flexibell steel tube,complete
90913	85	o-ring(viton)
90913	97	union nipple
90913	107	o-ring(viton)
90913	120	high-pressure pipe,complete
90913	132	high-pressure pipe,item 120
90913	187	coupling piece
90913	2323	o-ring(viton)
90913	2501	o-ring(viton)
90913	2690	thrust bush
90913	2878	cup point screw
90913	3035	screw
90913	3124	plug screw
90913	3213	plate-round
90913	3491	coupling piece