690 SMC USA 2009

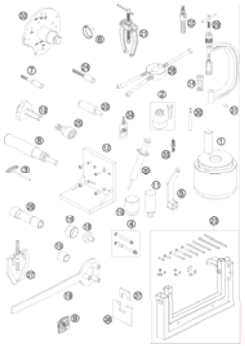
SPARE PARTS MANUAL: ENGINE

ART.NO.: 3CM088508IEN

ENGLISH

INDEX

SPECIAL TOOLS



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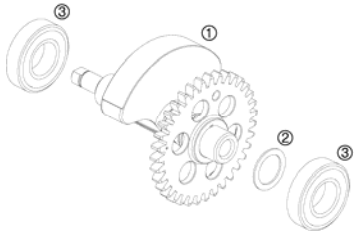
BALANCER SHAFT



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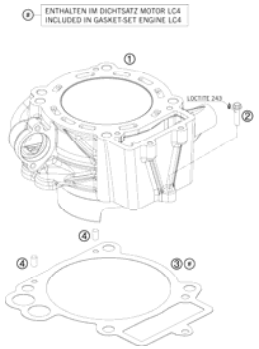
CYLINDER



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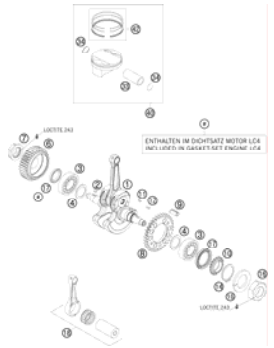
CRANKSHAFT, PISTON



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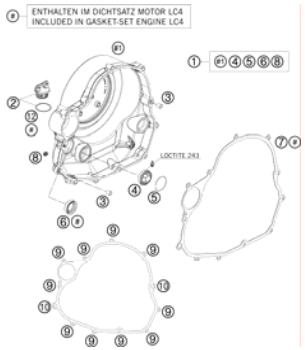
CLUTCH COVER



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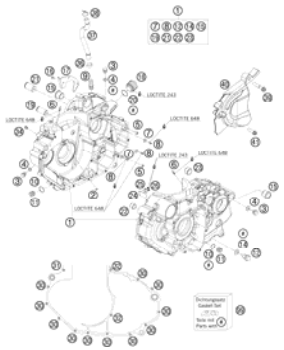
ENGINE CASE



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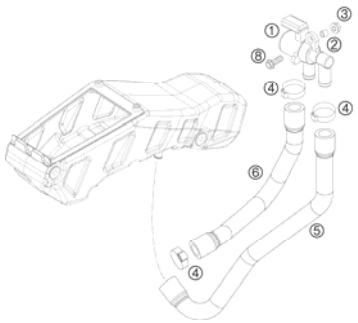
SECONDARY AIR SYSTEM SAS



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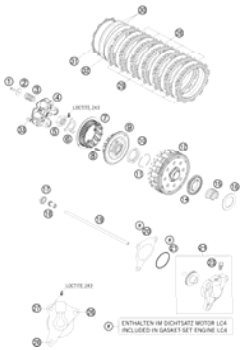
CLUTCH



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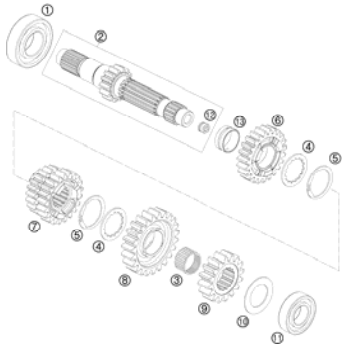
TRANSMISSION I - MAIN SHAFT



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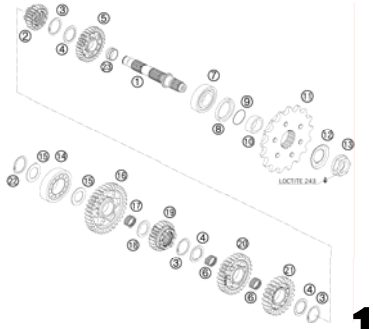

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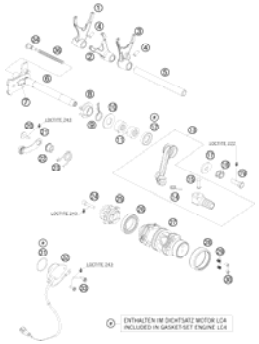
SHIFTING MECHANISM



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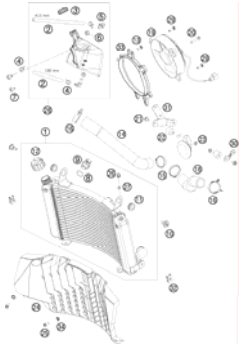
COOLING SYSTEM



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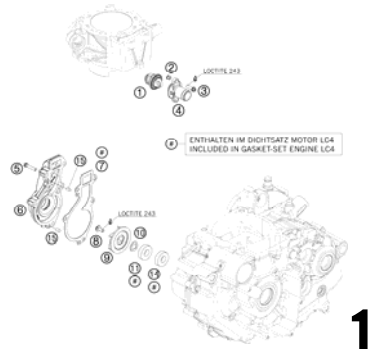
WATER PUMP



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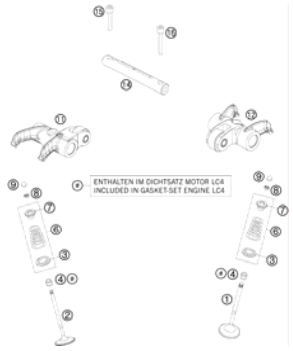

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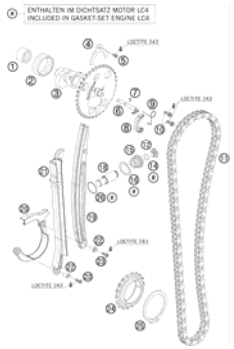
TIMING DRIVE



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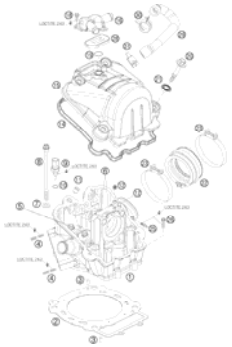
CYLINDER HEAD



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LUBRICATING SYSTEM

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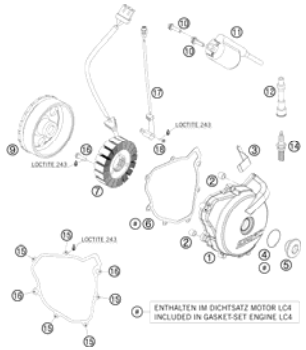
IGNITION SYSTEM



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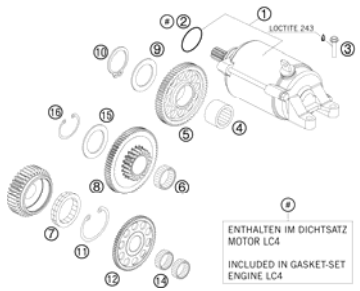
ELECTRIC STARTER



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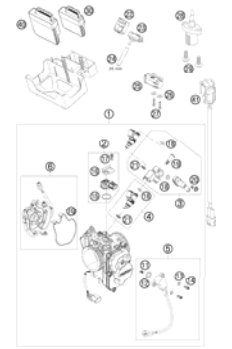
THROTTLE BODY



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SPECIAL TOOLS

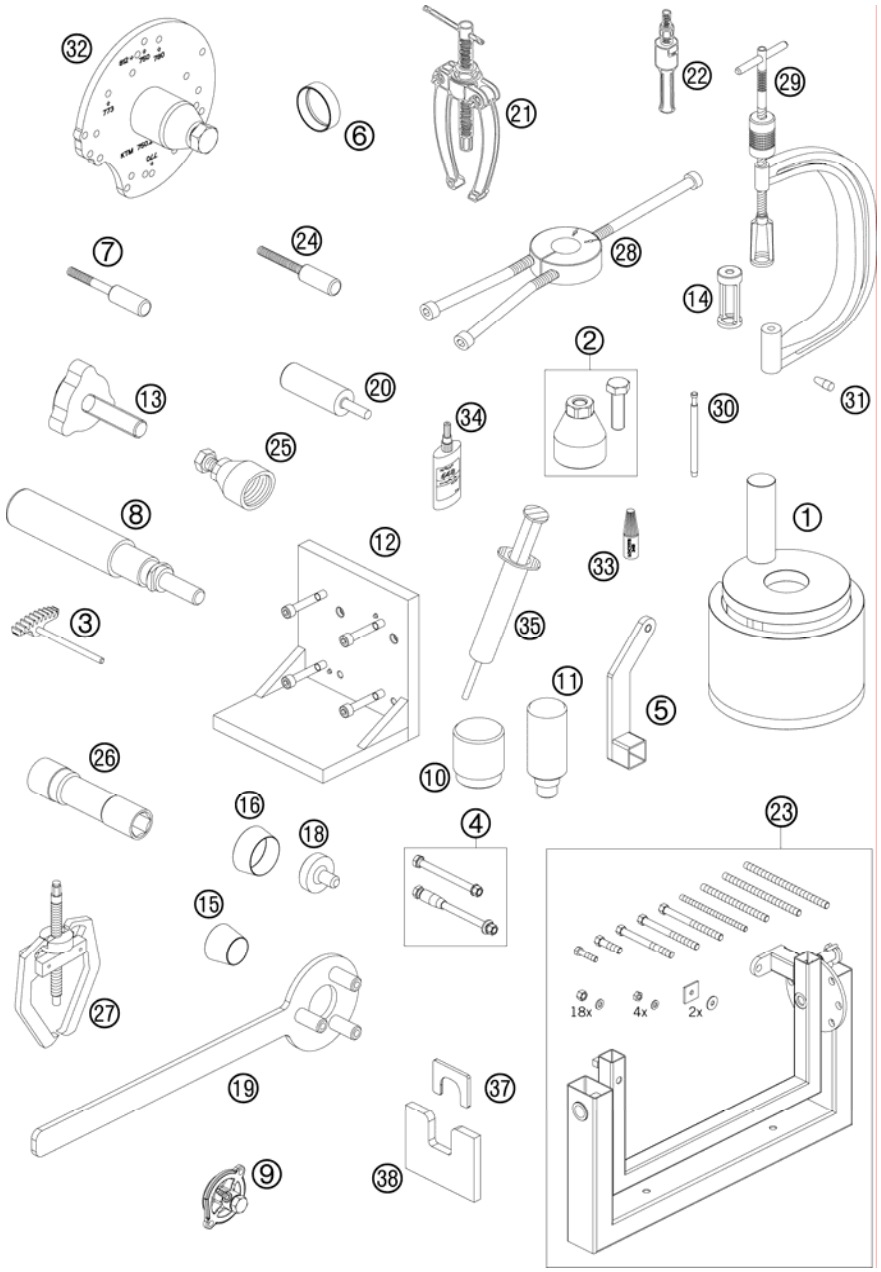

FIG	PART NUMBER	DESCRIPTION	QTY
1	75029047000	PRESS. TOOL F. CRANKS. CPL.	1
2	75029021000	EXTRACTOR PRIM. CPL.	1
3	75029081000	GEAR SEGMENT CPL.	1
4	75012001060	SUPPORT CPL.	1
5	75012001070	RETAIN. ARM F. ENG.WORK STAND	1
6	75029015102	PISTON R. COMPRESSOR DM=102	1
7	75029033000	MOUNTING SCREW	4
8	75029035000	PLUG IN FUSE PISTON PIN	1
9	75029094000	OIL PRESSURE ADAPTER	1
10	75029044010	PRESS PUNCH CAMSH. BEAR. LARGE	1
11	75029044020	PRESS PUNCH CAMSHAFT BEAR. SM.	1
12	75029050000	ON TENSIONER PL. CYLINDER HEAD	1
13	75029051000	PRESS OUT PUNCH CPL.	1
14	77329060000	INSERT FOR VALVE SPRING LEVER	1
15	75029080000	MOUNT.SLEEVE F. SH.S.RING MS	1
16	75029080050	MOUNT.SLEEVE F. SH.S.RING KS	1
18	75029090000	PROTECTOR CAP F.CRANKSHAFT 07	1
19	75029091000	HOLDING SPANNER FOR FLYWHEEL	1
20	77329051000	UNLOCK CHAIN TENSIONER	1
21	15112017000	BUSHING EXTRACTOR	1
22	15112018100	INTERN.BEAR.PULLER 18-23 MM	1
23	56012001000	ASSY SUPPORT (WITHOUT HOLDER)	1
24	77329010000	LOCATING SCREW	1
25	58429009000	MAGNETO EXTRACTOR	1
26	75029172000	SPARK PLUG WRENCH	1
27	59029033000	EXTRACTOR FOR TIMING GEAR	1
28	58429037043	MOUNTING TOOL F.BEARING NJ 207	1
29	59029019000	VALVE SPRING LEVER	1
30	59029026006	LIMIT PLUG GAUGE F.VALVE GUIDE	1
31	58529005000	MOUNT.SLEEVE F. SH.S.RING WAPU	1
32*	75029048100	HOUSING SEPARATING TOOL	1
33	6899785	LOCTITE 243 BLUE 6CCM	1
34	58429059000	LOCTITE 648 GREEN 24ML	1
35	58429059200	LOCTITE 5910 50ML	1
37	75029047050	PRESS OUT PLATE TOP PART	1
38	75029047051	PRESS OUT PLATE BOTTOM PART	1

097502910 / C097502910

* NEW PART

X AS REQUIRED

BALANCER SHAFT

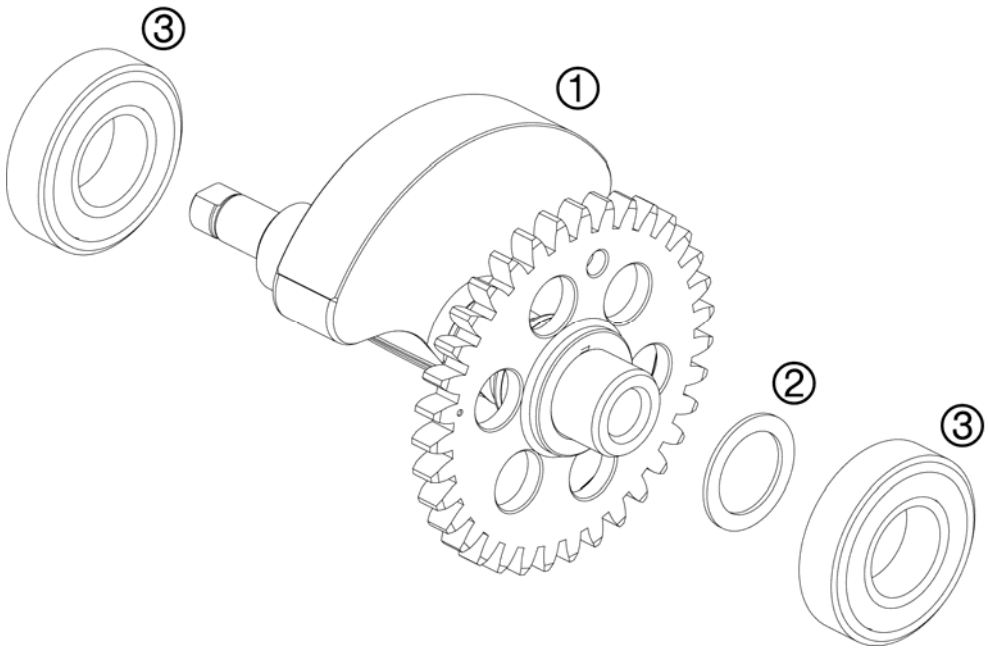

FIG	PART NUMBER	DESCRIPTION	QTY
1*	75030057144	BALANCER SHAFT CPL	1
2	0988223201	THRUST WASHER DIN0988-22X32X,1	x
2	09882232015	THRUST WASHERDIN0988-22X32X,15	x
2	0988223202	THRUST WASHER DIN0988-22X32X,2	x
2	0988223203	THRUST WASHER DIN0988-22X32X,3	x
3	0625062221	BALL BEARING 62/22 C4	2

087503030 / C097503030

* NEW PART

X AS REQUIRED

CYLINDER

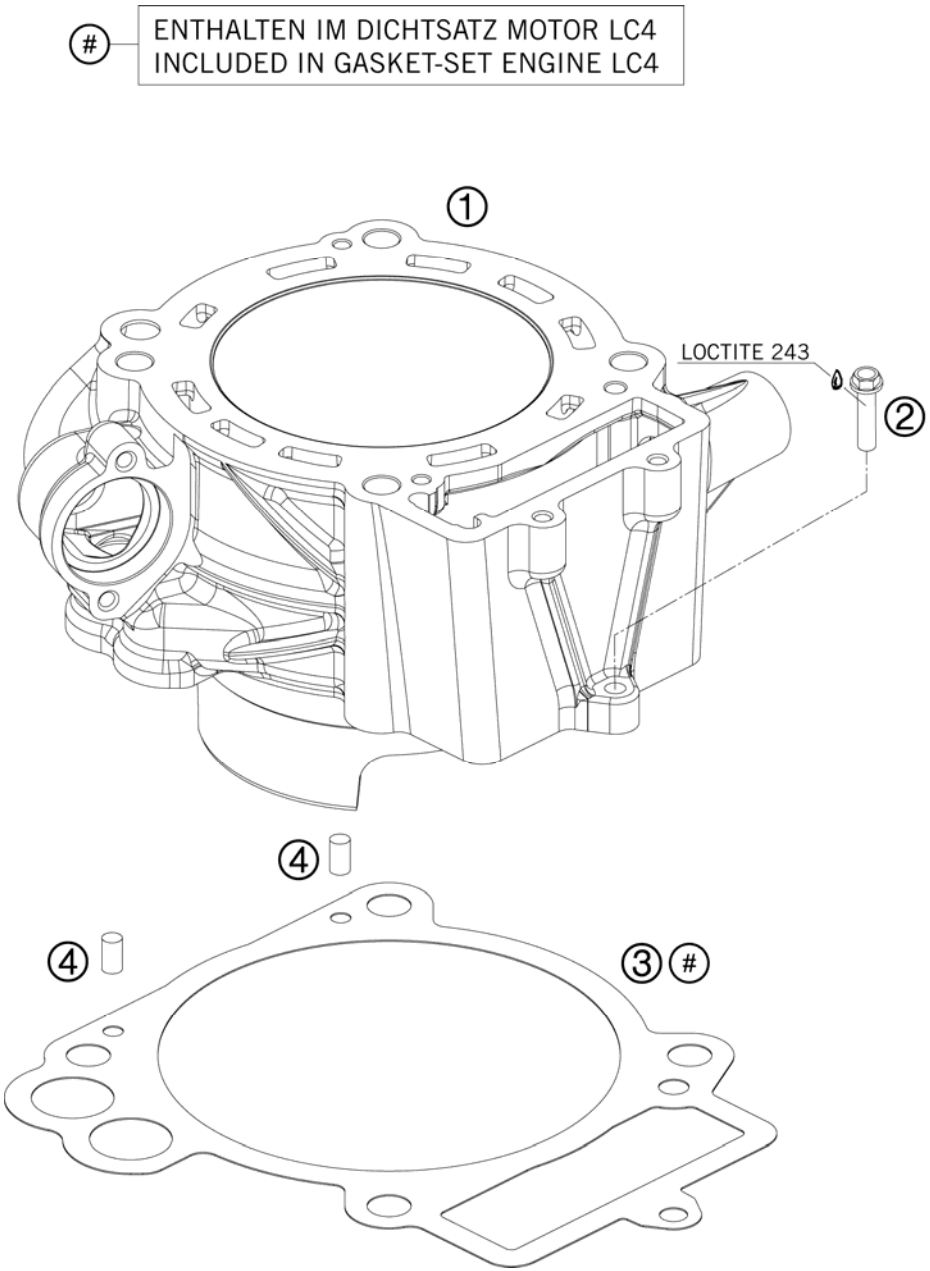

FIG	PART NUMBER	DESCRIPTION	QTY
1	75030005000	CYLINDER 07	1
2	0025060256	HH COLLAR SCREW M6X25 TX30	1
3	75030035000	CYLINDER BASE GASKET 07	1
4	0474050100	GROOVED PIN DIN1474 5X10	2

097503040 / C097503040

* NEW PART

X AS REQUIRED

CRANKSHAFT, PISTON

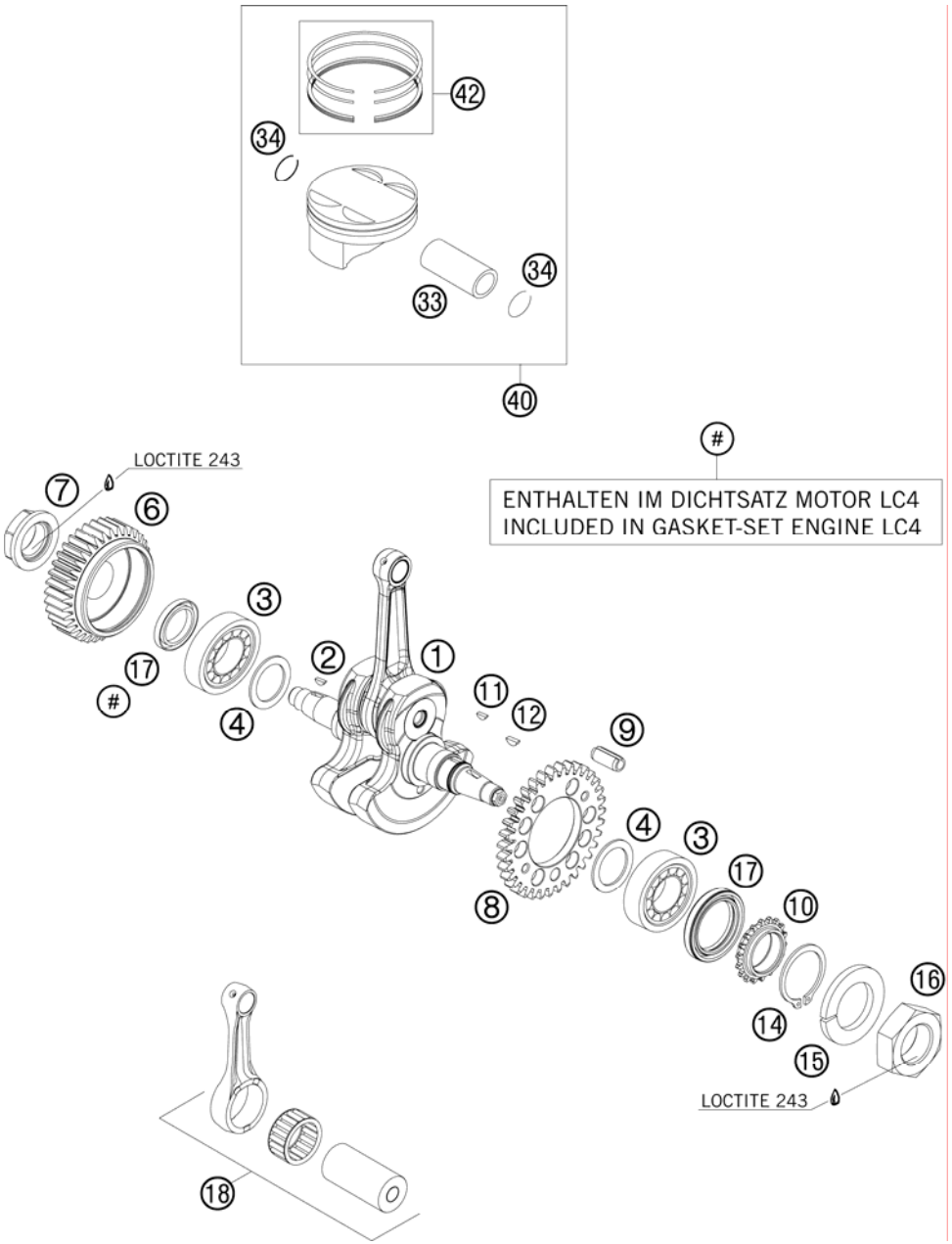

FIG	PART NUMBER	DESCRIPTION	QTY
1	75030018100	CRANKSHAFT CPL	1
2	0888040050	WOODRUFF KEY DIN6888 4X5X13	1
3	75030018150	CYL.ROLLER BEARING NJ207 ECPC4	2
4	56530081000	SHIM WASHER 36X48X0,10	x
4	56530081100	SHIM WASHER 36X48X0,15	x
4	56530081200	SHIM WASHER 36X48X0,20 STEEL	x
4	56530081300	SHIM WASHER 36X48X0,30	x
6	75032000002	PRIMARY GEAR 36 T 07	1
7	75030029100	NUT FOR PRIMARY GEAR	1
8	75030055000	DRIVE WHEEL BALANCER SHAFT 07	1
9	0749080300	TENSION PIN ISO13337 8X30	1
10	75036014000	TIMING PULLEY 07	1
11	0888030050	WOODRUFF KEY DIN6888-3X5X13	1
12	6946005	WOODRUFF KEY 5X6,5 HARDED	1
14	0471300151	CIRCLIP DIN0471-30X1,5 NIRO	1
15	58132072000	LOCK WASHER VSK 18	1
16	0936181505	HEXAGON NUT DIN0936-M18X1,5 R.	1
17	0760355070	SHAFT SEAL R.35X50X7B VITON	2
18	75030015144	CONNECT. ROD REPAIR SET LC4 08	1
33	75030833000	PISTON PIN LC4 07	1
34	75030074000	CIRCLIP LC4 07	2
40	75030007200 I	PISTON CPL. I 08	x
40	75030007200 II	PISTON CPL. II 08	x
42	75030031044	PISTONRING SET LC4 07	1

097503060 / C097503060

* NEW PART

X AS REQUIRED

CLUTCH COVER

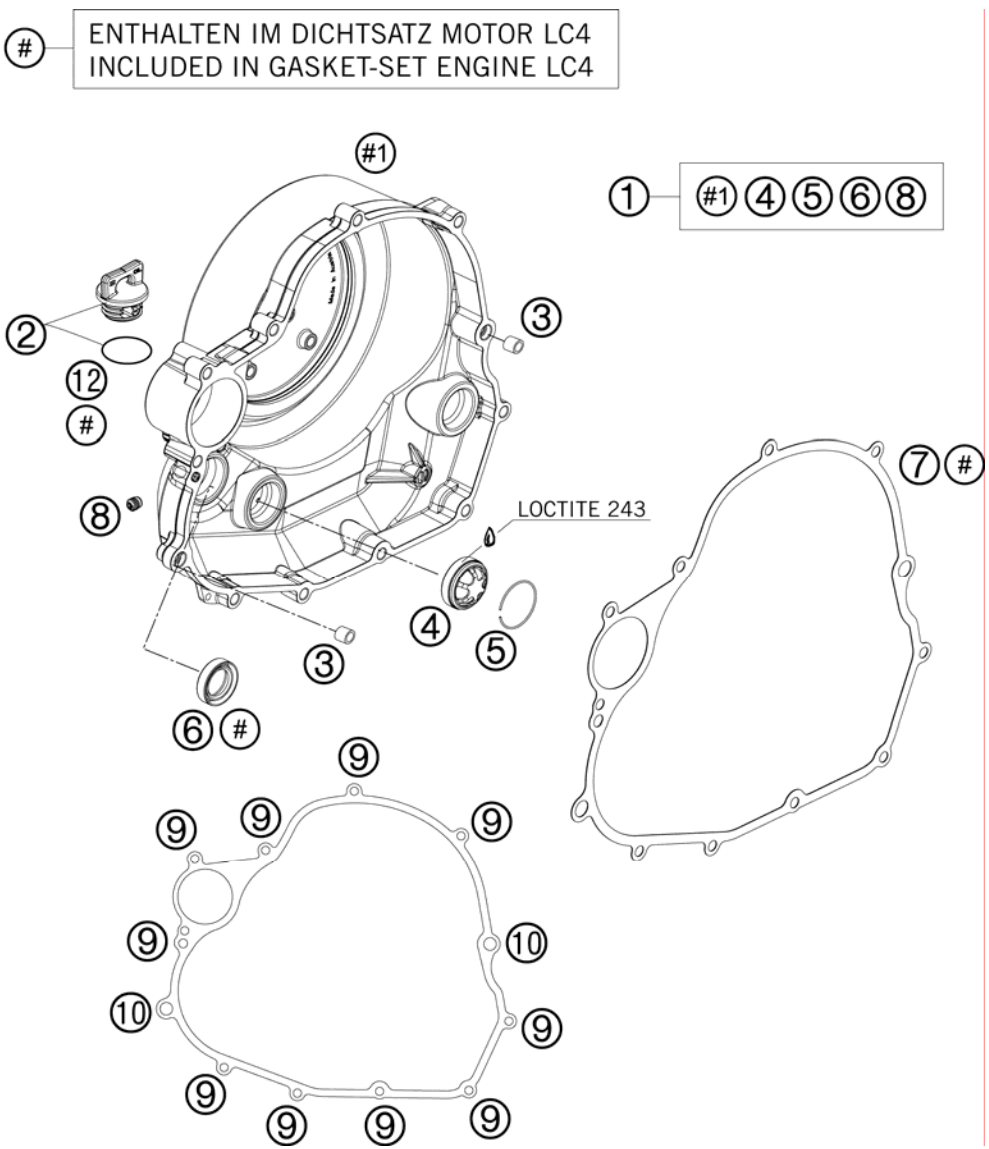

FIG	PART NUMBER	DESCRIPTION	QTY
1	75030001044	CLUTCH COVER CPL. 07	1
2	58030020100	PLUG CPL. M24X3	1
3	49030090000	DOWEL 9,8 X 7 X 10	2
4	59030019000	OIL LEVEL GLASS G 1777 Y	1
5	61030019050	CIRCLIP OIL LEVEL GLASS 03	1
6	0760172871	SHAFT SEAL RING 17X28X7B VITON	1
7	75030025000	CLUTCH CASE GASKET 07	1
8	59030296000	SCREW PLUG	1
9	0025060256	HH COLLAR SCREW M6X25 TX30	9
10	0025060306	HH COLLAR SCREW M6X30 TX30	2
12	0770191015	O-RING 19,00X3,00 NBR	1

097563020 / C097563020

* NEW PART

X AS REQUIRED

ENGINE CASE

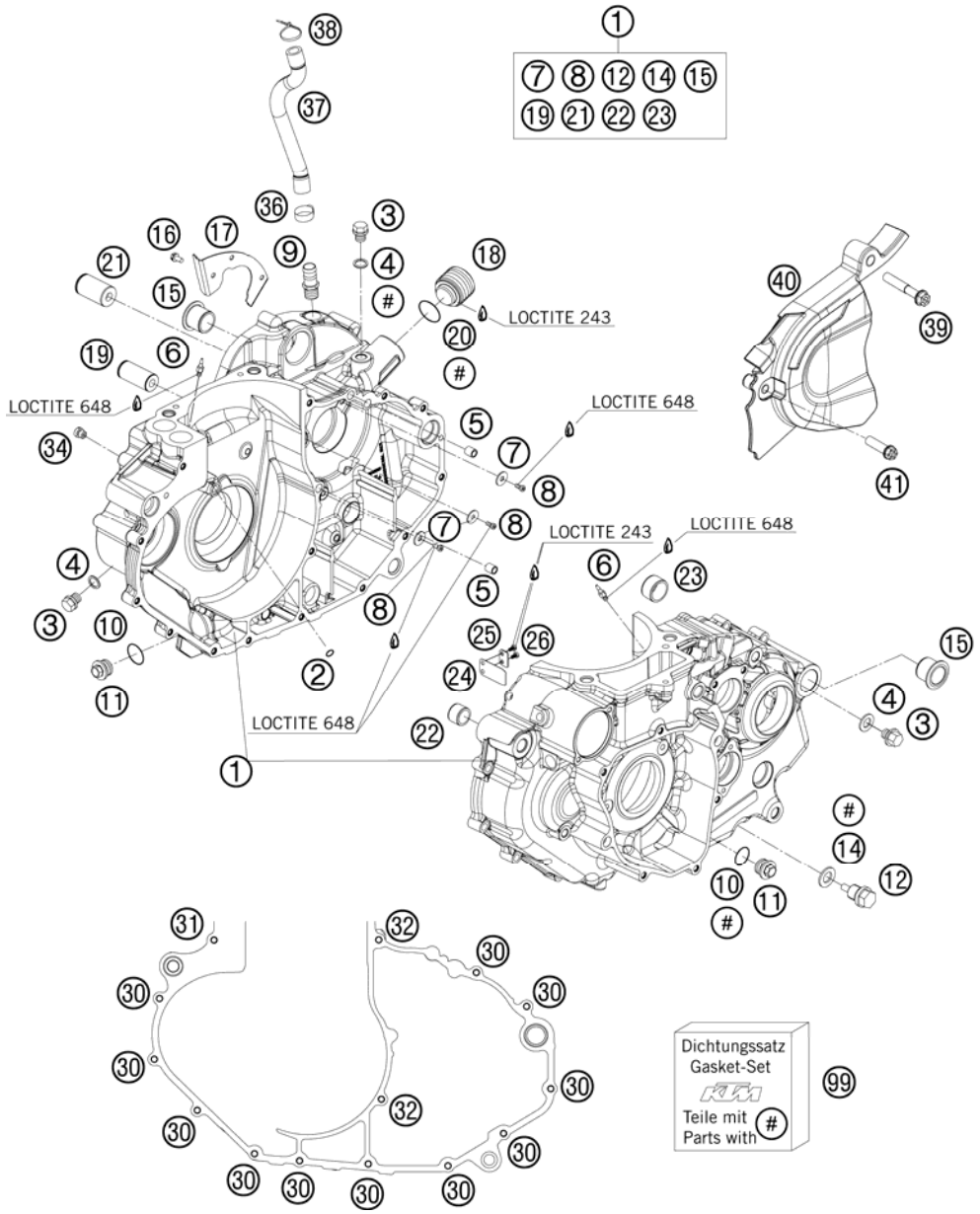

FIG	PART NUMBER	DESCRIPTION	QTY
1	75030000133	ENGINE CASE CPL.W.BEAR. LC4 07	1
2	0770060018	O-RING 6,00X1,78	1
3	0910100003	PLUG DIN0910-M 10X1	3
4	0603100141	COPPER GASKET DIN7603-10X14X1	3
5	59030023000	DOWEL 6X8X11,5	2
6	60030064050	OIL JET 50 M6X0,75 WS8 05	2
7	0021050003	WASHER DIN9021-A 5,3	3
8	073800501001	FLAT HEAD SCREW ISO 7380 M5X10	3
9	60030022000	VENTILATION CONNECTOR M16X1,5	1
10	0770020170	O-RING 17,17X1,78 GLO	2
11	59038017000	PLUG M20X1,5 WS=13	2
12	58030021000	OILDRAIN PLUG W.MAG. M 12X1,5	1
14	58038022000	CU-SEAL RING DIN7603-12X18X1,5	1
15	75030010000	CASE BUSH	2
16	0984050103S	CYLIND. SCR. DIN6912 M5X10 8.8	3
17	75030042000	COVER	1
18	75038048100	LOCK PIECE	1
19	54633018400	BUSHING PIN	1
20	0770180020	O-RING 18,00X2,00 NBR 70	1
21	59040028000	BUSHING PIN	1
22	51030026100	DOWEL 17 X 13 X 12	1
23	54830027000	DOWEL 21X12 03	1
24	75030003051	MEMBRANE 07	1
25	75030003050	STOP SHEET MEMBRANE 07	1
26	0458030080	CYLIND.SCREW M3X8 ISO 14580 SS	2
30	0025060306	HH COLLAR SCREW M6X30 TX30	11
31	0025060256	HH COLLAR SCREW M6X25 TX30	1
32	0025060706	HH COLLAR SCREW M6X70 TX30	2
34	75030058000	JET 125	1
36	00049220121	CLAMP STD DN22	1
37	76530089000	OIL HOSE BLEEDER FLANGE	1
38	44011076200	CABLE TIE 200/3,6MM BLACK	x
39	0025060406	HH COLLAR SCREW M6X40 TX30	1
40	76530060044	CHAIN GUARD CPL. 08	1
41	0025080306	HH COLLAR SCREW M8X30 TX40	1
99	75030099000	GASKET SET LC4 2007	1

097653010 / C097653010

* NEW PART

X AS REQUIRED

SECONDARY AIR SYSTEM SAS

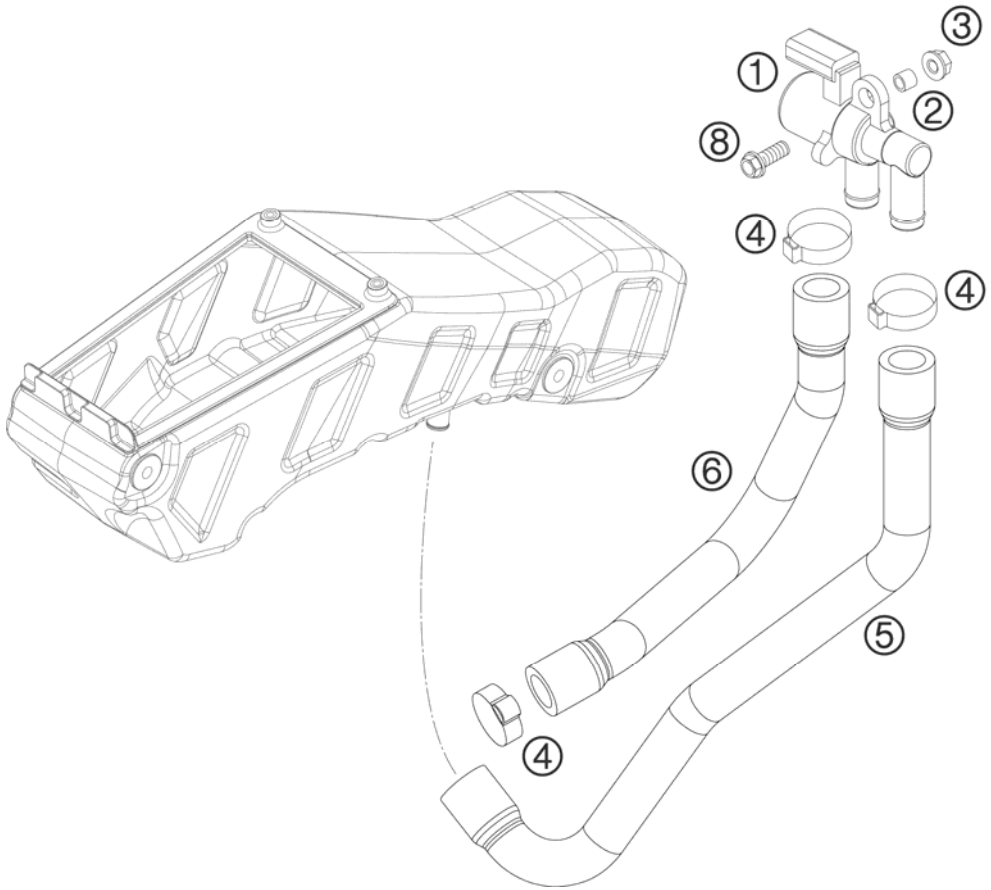

FIG	PART NUMBER	DESCRIPTION	QTY
1	75005026000	SLS-VALVE 07	1
2	58011039000	SPACER BUSHING 6,5 X 8 X 7	1
3	56509064100	SELF LOCKING NUT M6 10.9	1
4	00049200121	CLAMP STD DN20	3
5	76505021000	PREFORMED HOSE SAS AIR BOX	1
6	76505027000	PRE. HOSE SAS BREATHER-COVER	1
8	0024060156	HH COLLAR SCREW M6X15 TX30	1

087503131 / C097503130

* NEW PART

X AS REQUIRED

CLUTCH

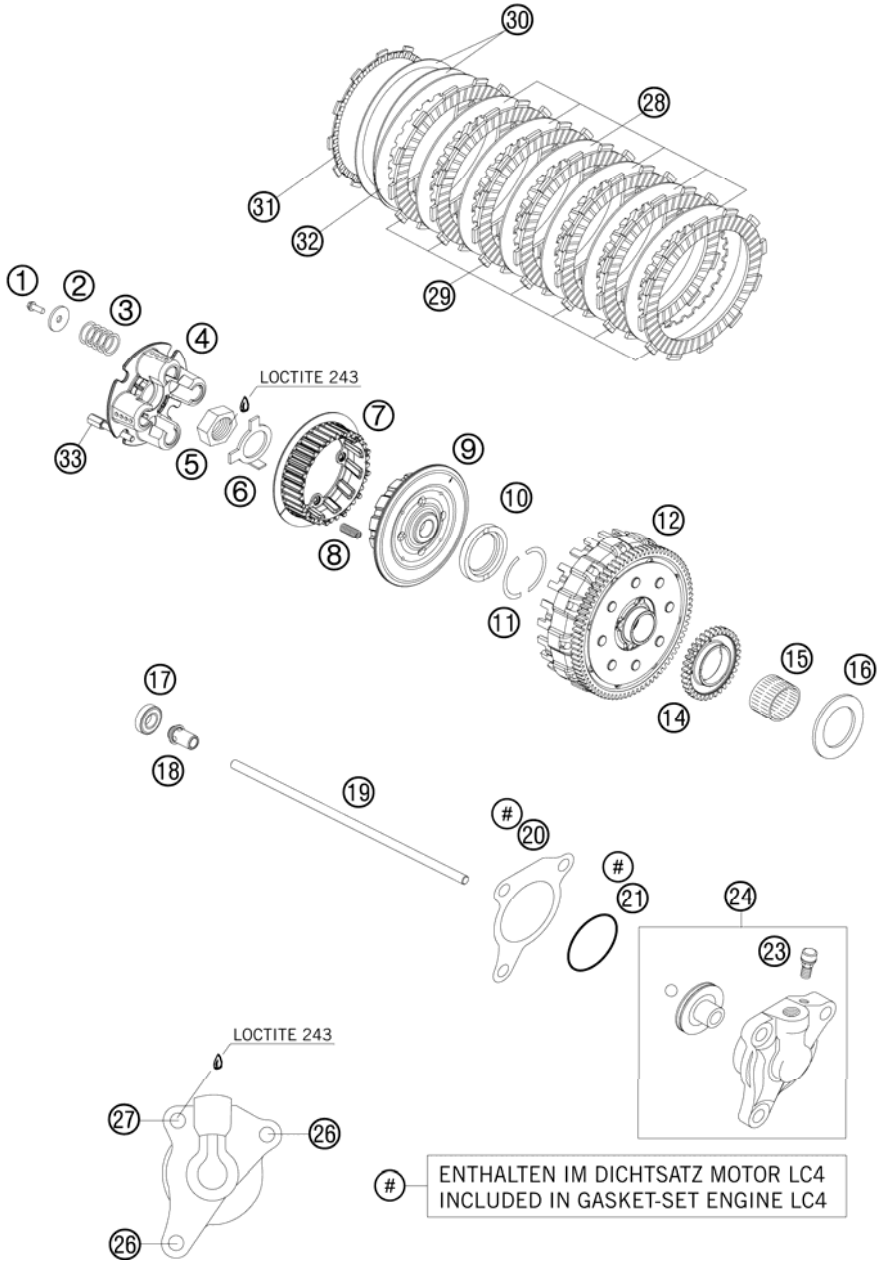

FIG	PART NUMBER	DESCRIPTION	QTY
1	0025050256	HH COLLAR SCREW M5X25 ISA30	4
2	59032006100	WASHER 5,5X20X1,5	4
3	58532080000	CLUTCHSPRING 3,0X33,5	4
4	75032003000	PRESSURE CAP	1
5	60036073050	HEXAGON NUT M20X1,5 7MM	1
6	75032018000	LOCK WASHER 07	1
7	75032002002	INNER CLUTCH HUB MOVABLE	1
8	75032033000	CLUTCH RELEASE SPRING	4
9	75032002001	INNER CLUTCH HUB FIXED	1
10	75032009000	STEPPED WASHER 07	1
11	75032007000	HALF-WASHER 07	2
12	75032001044	OUTER CLUTCH HUB CPL.	1
14	75032050001	OIL PUMP DRIVE WHEEL 07	1
15	56532095000	NEEDLE BEARING K26X30X22ZW.KSE	1
16	75032017000	WASHER 26X40X2 07	1
17	0625060016	GROOV.BALL BEAR. 6001.2RSR C3	1
18*	75032055100	PRESSURE BOLT 08	1
19*	75032054200	PUSH ROD 08	1
20	59032065000	GASKET FOR SLAVE CYLINDER	1
21	0770300015	O-RING 30,00X1,50 NBR 70	1
23	54732064000	BLEEDER SCREW WITH CAP	1
24*	75032061044	OUTPUT CYL. WITH BLEEDER SCREW	1
26	0025060356	HH COLLAR SCREW M6X35 TX30	2
27	0025060206	HH COLLAR SCREW M6X20 TX30	1
28	75032112000	STEEL DISK 1,5 MM LC4 ´07	6
29	58332011300	LINING DISK 2,7MM FCC 02	7
30	58632016000	RONDELLA ANTIVIBRAZIONE SET	1
31	75032111100	LINING DISC CUT OUT	1
32	75032112100	STEEL DISK 1,5MM NITRIDED	1
33	75032032000	HOLDING SCREW GMB-M5X35	4

097503210 / C097503210

* NEW PART

X AS REQUIRED

TRANSMISSION I - MAIN SHAFT

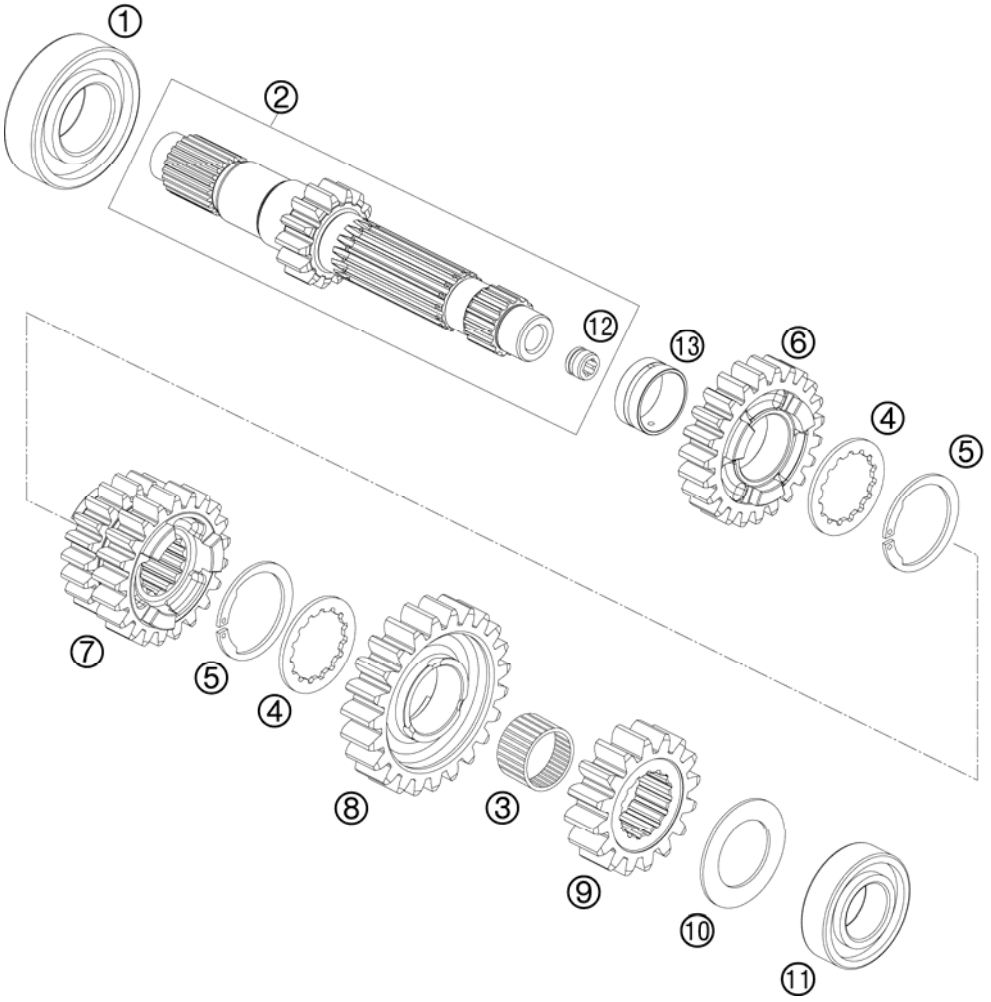

FIG	PART NUMBER	DESCRIPTION	QTY
1	06252858161	BALL BEARING 58/28 C4 N	1
2	76233001000	MAIN SHAFT	1
3	0405222613	NEEDLE BEAR. K 22X26X13 TN	1
4	56533016300	STOP DISK 22,7 X 32 X 1,5	2
5	75033041000	STOP-V-RING AV25	2
6	75033105000	IDLER GEAR 5.G.	1
7	75033003000	3/4TH GEAR MAINSHAFT 07	1
8	75033006000	IDLER 6. GEAR 07	1
9	75033002000	SOLID GEAR 2.G. 07	1
10	59033080000	SHIM 20X32X1	1
11	0625060042	BALL BEARING 6004 TN9 C4	1
12	77333001160	GUIDE BUSHING	1
13	76233022100	BEARING BUSH	1

087503331 / C097503330

* NEW PART

X AS REQUIRED

TRANSMISSION II - COUNTERSHAFT

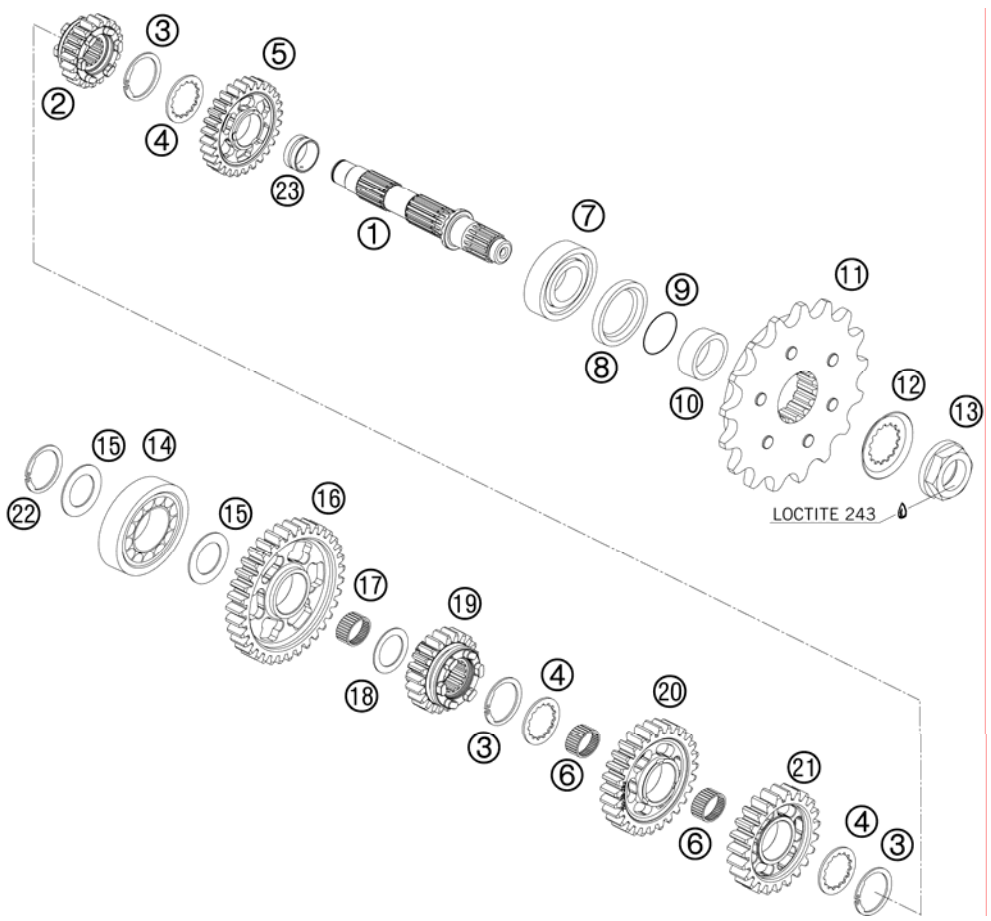

FIG	PART NUMBER	DESCRIPTION	QTY
1	76233010000	COUNTER SHAFT 07	1
2	75033016000	SLIDING GEAR 6TH G. 07	1
3	0417025000	CIRCLIP SW25	3
4	56533016300	STOP DISK 22,7 X 32 X 1,5	3
5	76233012100	IDLER 2. GEAR	1
6	0405222613	NEEDLE BEAR. K 22X26X13 TN	2
7	49030023100	CYL.ROLLER BEARING NJ205 C4	1
8	0760324773	SHAFT SEAL R. 32X47X7BSL VITON	1
9	0770020220	O-RING 25,12X1,78 NBR70	1
10	54633014100	SPACER BUSHING 12MM	1
11	58033029115	ENGINE SPROCKET 15 T DAMPED	x
11	58033029116	ENGINE SPROCKET 16 T DAMPED	x
11	58033029117	ENGINE SPROCKET 17 T DAMPED	x
12	51033031000	LOCK WASHER	1
13	58033032200	SPROCKET NUT LC4 03	1
14	0625204213	BALL BEARING 6004 C4 N	1
15	59033080000	SHIM 20X32X1	2
16	75033011000	IDLER GEAR 1ST GEAR 07	1
17	56533098000	NEEDLE BEARING K22X26X13H	1
18	54603036000	STOP DISK 22,2X31,7X1	1
19	75033015000	5TH GEAR COUNTERSHAFT 07	1
20	75033013000	IDLER GEAR 3.G 07	1
21	75033014000	IDLER GEAR 4.G 07	1
22	0471200120	CIRCLIP DIN471 20X1,2	1
23	76233022100	BEARING BUSH	1

087503361 / C097503360

* NEW PART

X AS REQUIRED

SHIFTING MECHANISM

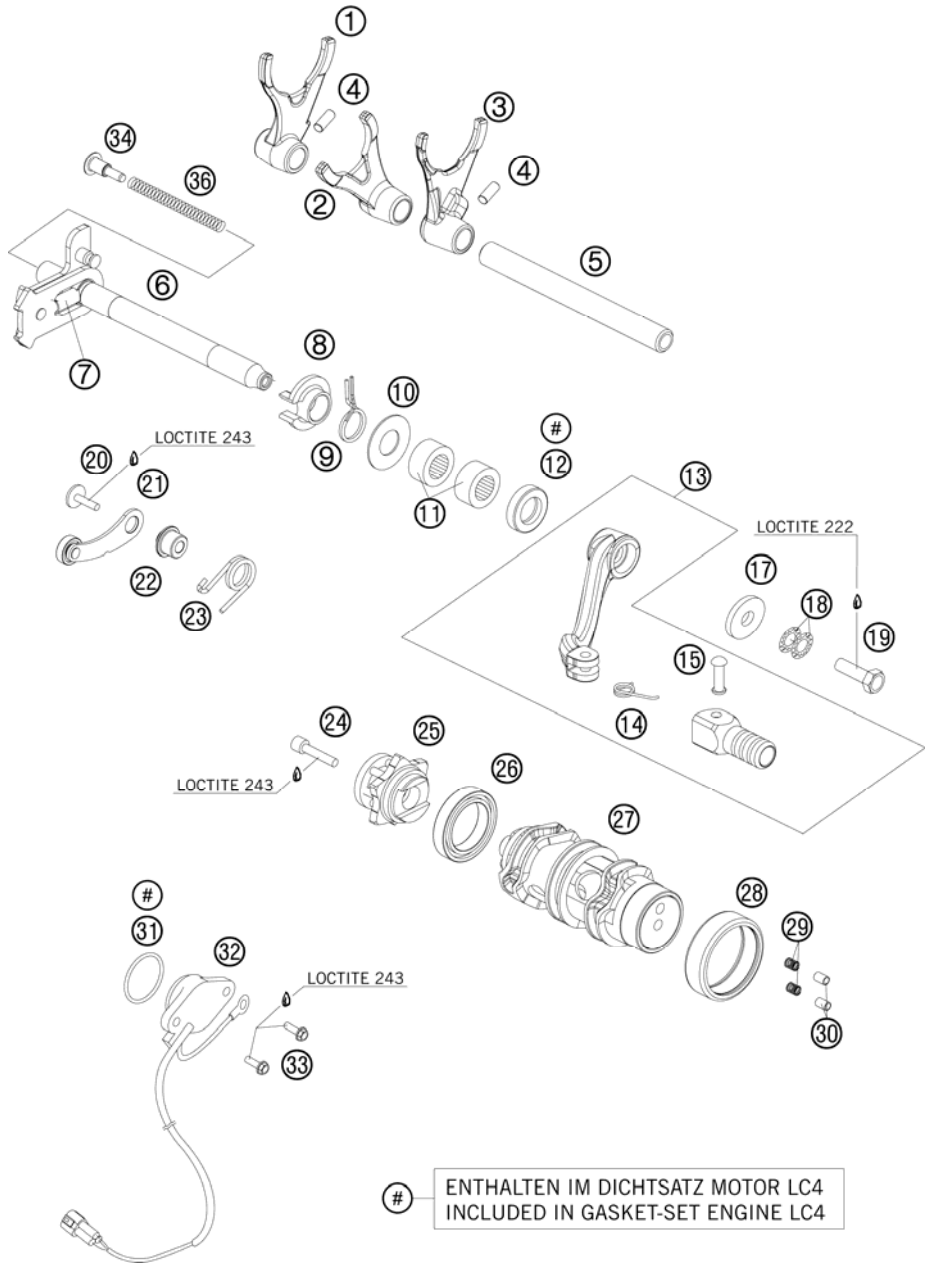

FIG	PART NUMBER	DESCRIPTION	QTY
1	75034002000	SHIFT FORK F. SLIDINGGEAR 5 07	1
2	75034001000	SHIFT FORK F. SLIDINGG. 3/4 07	1
3	75034003000	SHIFT FORK F. SLIDINGGEAR 6 07	1
4	0402061480	NEEDLE ROLLER DIN5402 6X14,8	2
5	75034019000	SHIFTRAIL 07	1
6	75034005044	SHIFT SHAFT CPL. 07	1
7	56534013100	TENSIONING SPRING 0,8MM	1
8	54634020000	SPRING GUIDE	1
9	54634014100	RETURN SPRING 2,2MM '95	1
10	75034050000	STOP DISK 14X30X1,5 STEEL	1
11	54632095000	NEEDLE BEAR.HK 1412 14X20X12	2
12	0760142461	SHAFT SEAL RING 14X24X6B VITON	1
13	75034031000	SHIFT LEVER CPL. 07	1
14	75034032000	SHIFTING LEVER SPRING	1
15	54634031050	BOLT 6X25 FOR SHIFT LEVER	1
17	50232050001	STEEL WASHER 6,4X17X3	1
18	50233041000	PAIR OF WASHERS M 6 NORDLOCK	1
19	59009062016	SPECIAL SCREW M6X16 WS=8 10.9	1
20	0024060206	HH COLLAR SCREW M6X20 TX30	1
21	75034024044	LOCKING LEVER CPL. 07	1
22	75034052000	SLEEVE FOR LOCKING LEVER 07	1
23	60034023000	ARRESTING LEVER SPRING 03	1
24	0012060303	AH SCREW DIN6912 M6X30 8.8	1
25	75034015000	SHIFT DRUM LOCATING CPL. 07	1
26	0625618052	BALL BEARING 6805 C3 JR	1
27	75034012044	SHIFT ROLLER CPL. 07	1
28	0618354212	NEEDLE BEAR HK3512 35X42X12	1
29	60034014000	CONTACT SPRING 03	2
30	60034037000	CONTACT BOLT 03	2
31	0770275025	O-RING 27,5X2,5 NBR	1
32	60011023100	GEAR-POSITION SENSOR 06	1
33	0025050166	HH COLLAR SCREW M5X16 TX30	2
34	75034006000	SPACER	1
36	75034007000	SPRING FOR OPERATING SHAFT	1

097503411 / C097503411

* NEW PART

X AS REQUIRED

COOLING SYSTEM

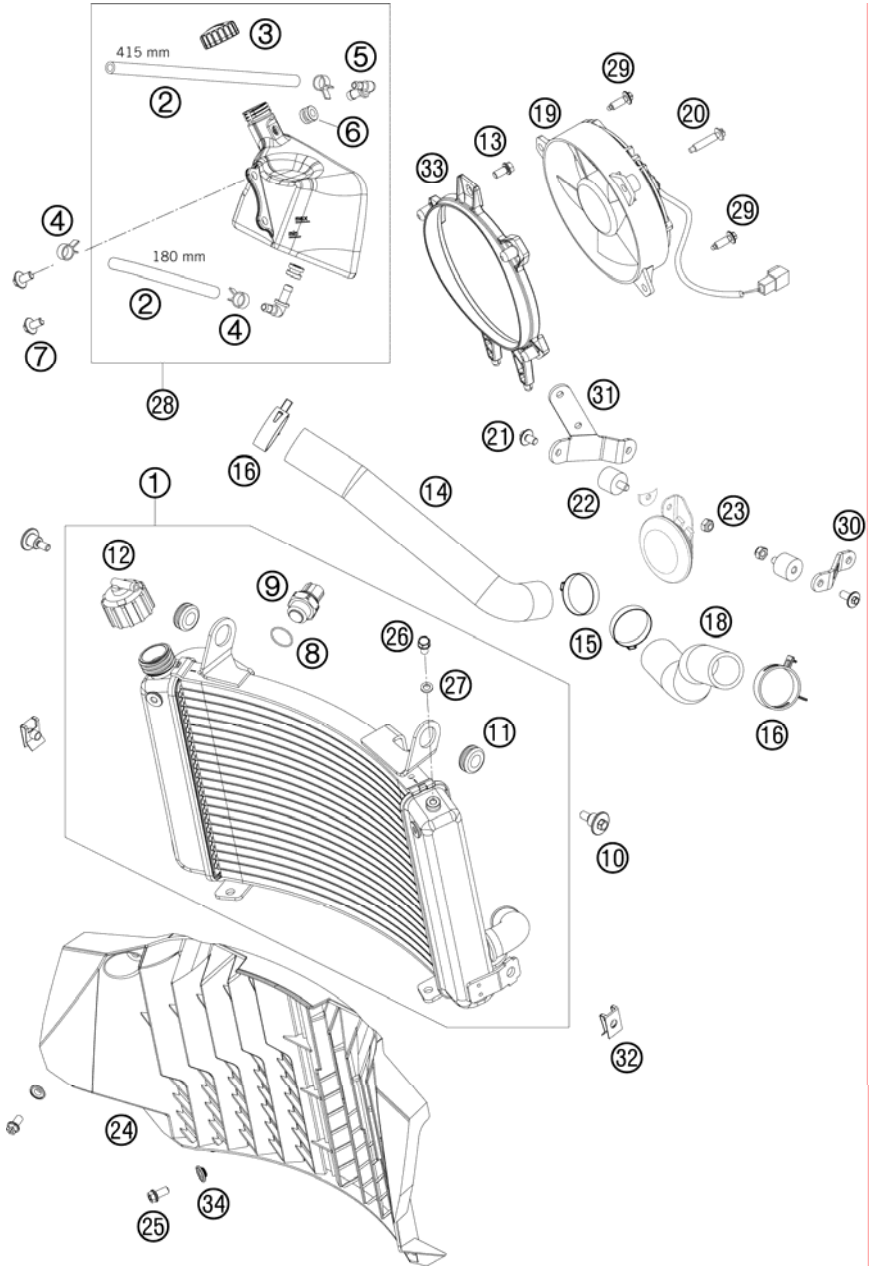

FIG	PART NUMBER	DESCRIPTION	QTY
1	76535010000	RADIATOR 08	1
2	60035067001	HOSE 6X10 EPDM 03	x
3	60035066000	PLUG F. EXPANSION TANK	1
4	58007117000	YDNAC-CLAMP 10107 10MM	3
5	60035068000	ANGLE CONNECTION EXPANS. TANK	2
6	60035069000	RUBBER GROMMET 6X9X13MM 04	2
7	0023060123	COLLAR SCREW M6X12 TX	2
8	0770017015	O-RING 17X1,5 NB75	1
9	60035045000	THERMOSWITCH LC8 102DG '03	1
10	60038083000	SCREW OIL TANK FIXING 03	2
11	41001052000	RUBBER SLEEVE D=12MM	2
12	62535009000	RADIATOR CAP 1,4 BAR	1
13	0025060126	HH COLLAR SCREW M6X12 TX30	1
14	76535025000	RADIATOR HOSE 08	1
15	00050331706	VARIABLE ONE-EAR CLAMP 33,1MM	2
16	00049320121	CLAMP STD DN32	2
18	76535024000	RADIATOR HOSE 08	1
19	60035041000	FAN L/S 03	1
20	0017060303	SPECIAL SCREW T60 6X30 WS=6	1
21	0024060106	HH COLLAR SCREW M6X10 TX30	2
22	43205062100	RUBBER GROMMET 20X15-M6X10 (1)	2
23	0985060003	SELF LOCK. NUT DIN0985-M 6	2
24	76535040000	RADIATOR PROTECTION 08	1
25	0025060126	HH COLLAR SCREW M6X12 TX30	2
26	0015060103	HH COLLAR SCREW M 6X10 WS=8	1
27	60035048000	ALU-GASKET 6X10X1.5	1
28	76535065000	EXPANSION TANK CPL. 07	1
29	0017060203	EJOT PT SCREW K60X20 WS=6	2
30	76535001000	RETAINING PLATE RADIATOR 08	1
31	76515002000	RET.PLATE EVAPORATIVE CANISTER	1
32	54603048100	RANGE CHANGE METAL NUT M6	2
33	76535044000	FAN COWL 08	1
34	76508043050	COLLAR BUSHING	2

087653531 / C087653531

* NEW PART

X AS REQUIRED

WATER PUMP

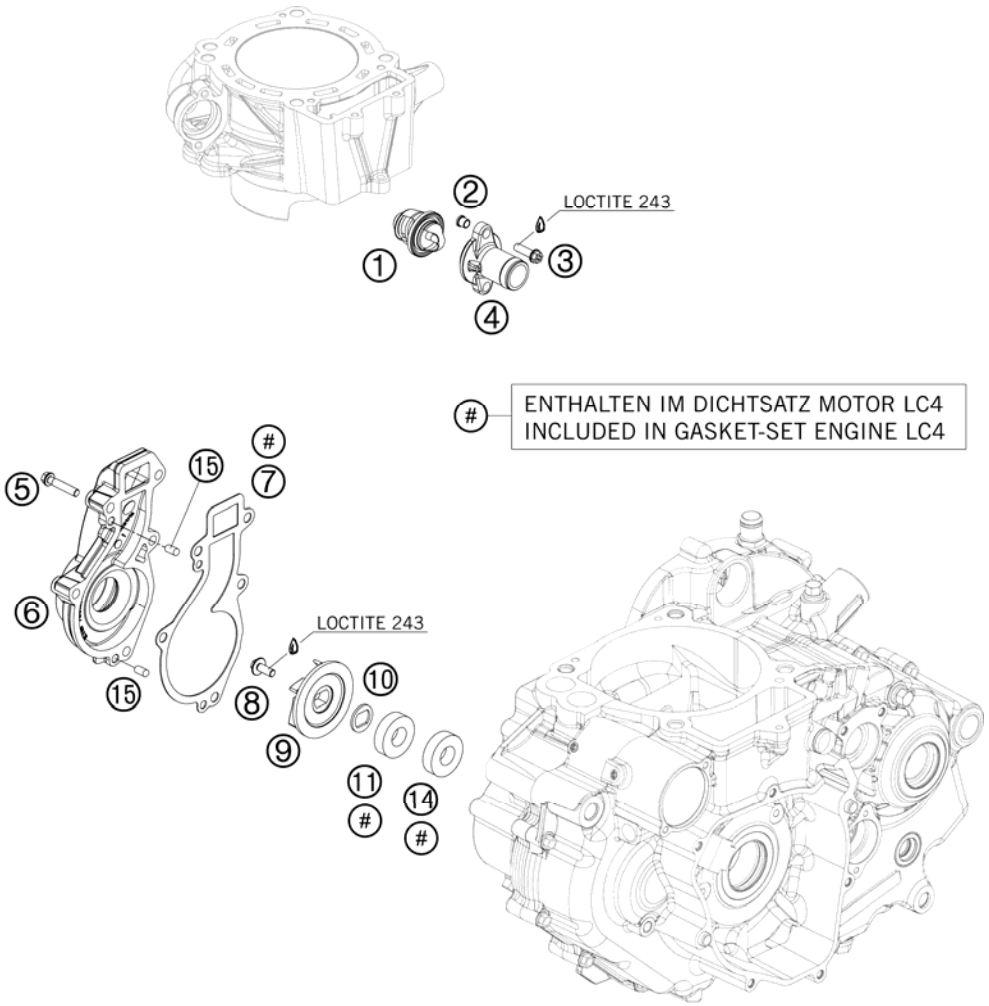

FIG	PART NUMBER	DESCRIPTION	QTY
1	75035017000	THERMOSTAT 07	1
2	60040027050	SUPPORTING SLEEVE 03	2
3	0025060206	HH COLLAR SCREW M6X20 TX30	2
4	75035016000	THERMOSTATCOVER 07	1
5	0025060306	HH COLLAR SCREW M6X30 TX30	5
6	75035052100	WATERPUMP COVER 07	1
7	75035053000	WATER PUMP COVER GASKET 07	1
8	0024060156	HH COLLAR SCREW M6X15 TX30	1
9	75035055000	WATER PUMP ROTOR 07	1
10	60035055150	FORM WASHER 16X1 NIRO 03	1
11	0760123071	SHAFT SEAL RING. 12X30X7 VITON	1
14	0760123073	SHAFT SEAL RING 12X30X7 PTFE	1
15	0474050100	GROOVED PIN DIN1474 5X10	2

097503510 / C097503510

* NEW PART

X AS REQUIRED

VALVE DRIVE

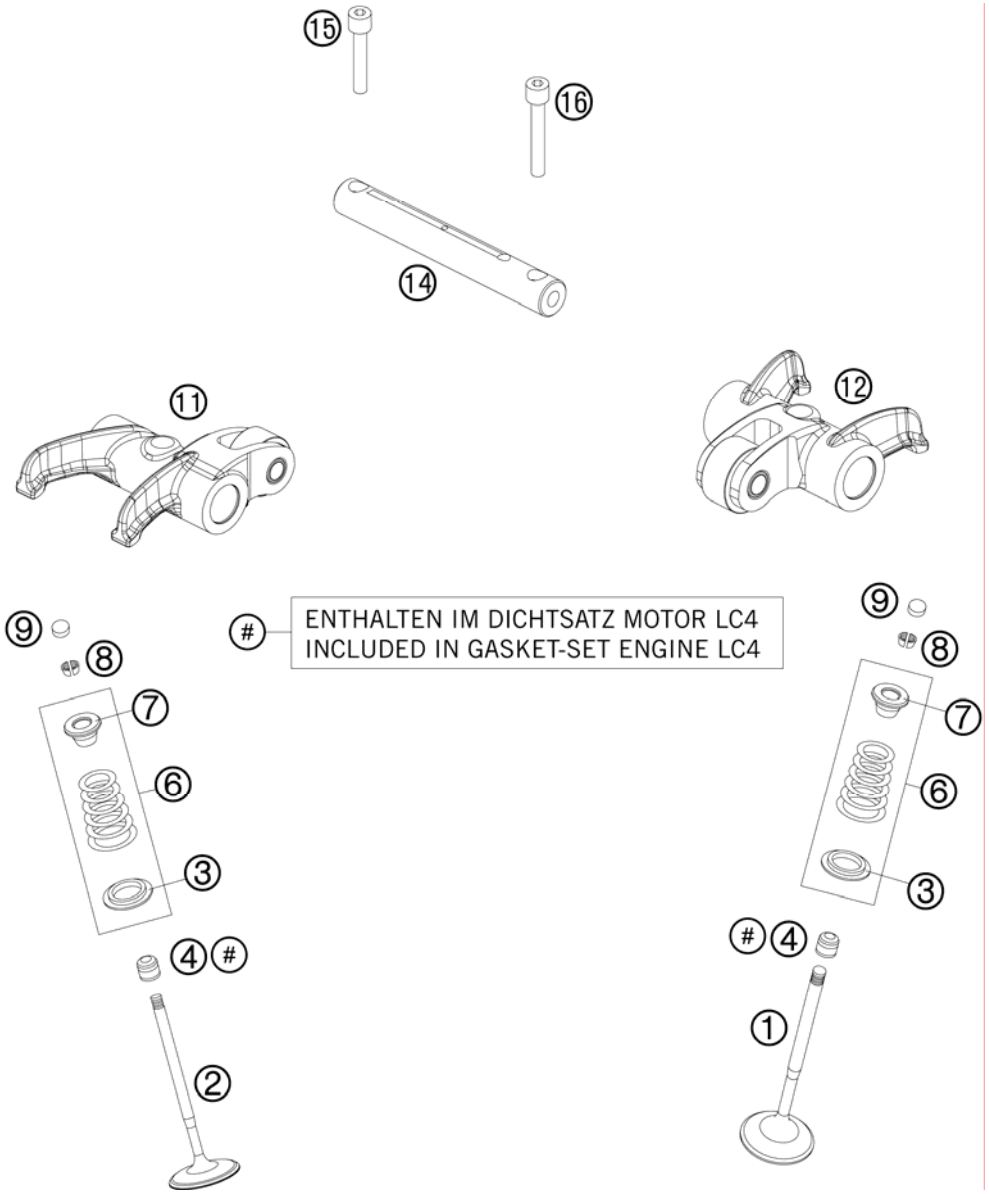

FIG	PART NUMBER	DESCRIPTION	QTY
1	75036030000	INTAKE VALVE 07	2
2	75036031000	EXHAUST VALVE 07	2
3	75036036000	VALVE SPRING HOLDER 07	4
4	59036027000	VALVE-STEM SEALING RACING	4
6	75036028044	VALVE SPRING KIT 07	4
7	75036032000	VALVE SPRING RETAINER 07	4
8	60036033000	VALVE COLLET MK6 03	8
9	60036035185	SHIM D=10/1,85 03	x
9	60036035190	SHIM D=10/1,90 03	x
9	60036035195	SHIM D=10/1,95 03	x
9	60036035200	SHIM D=10/2,00 03	x
9	60036035205	SHIM D=10/2,05 03	x
9	60036035210	SHIM D=10/2,10 03	x
9	60036035215	SHIM D=10/2,15 03	x
9	60036035220	SHIM D=10/2,20 03	x
9	60036035225	SHIM D=10/2,25 03	x
9	60036035230	SHIM D=10/2,30 03	x
9	60036035235	SHIM D=10/2,35 03	x
9	60036035240	SHIM D=10/2,40 03	x
9	60036035245	SHIM D=10/2,45 03	x
9	60036035250	SHIM D=10/2,50 03	x
9	60036035255	SHIM D=10/2,55 03	x
9	60036035260	SHIM D=10/2,60 03	x
9	60036035265	SHIM D=10/2,65 03	x
9	60036035270	SHIM D=10/2,70 03	x
9	60036035275	SHIM D=10/2,75 03	x
9	60036035280	SHIM D=10/2,80 03	x
9	60036035285	SHIM D=10/2,85 03	x
9	60036035290	SHIM D=10/2,90 03	x
9	60036035295	SHIM D=10/2,95 03	x
9	60036035300	SHIM D=10/3,00 03	x
9	60036035305	SHIM D=10/3,05 03	x
9	60036035310	SHIM D=10/3,10 03	x
9	60036035315	SHIM D=10/3,15 03	x
9	60036035320	SHIM D=10/3,20 03	x
11	75036061044	ROCKER ARM EXHAUST CPL. 07	1

097503610 / C097503610

* NEW PART

X AS REQUIRED

VALVE DRIVE

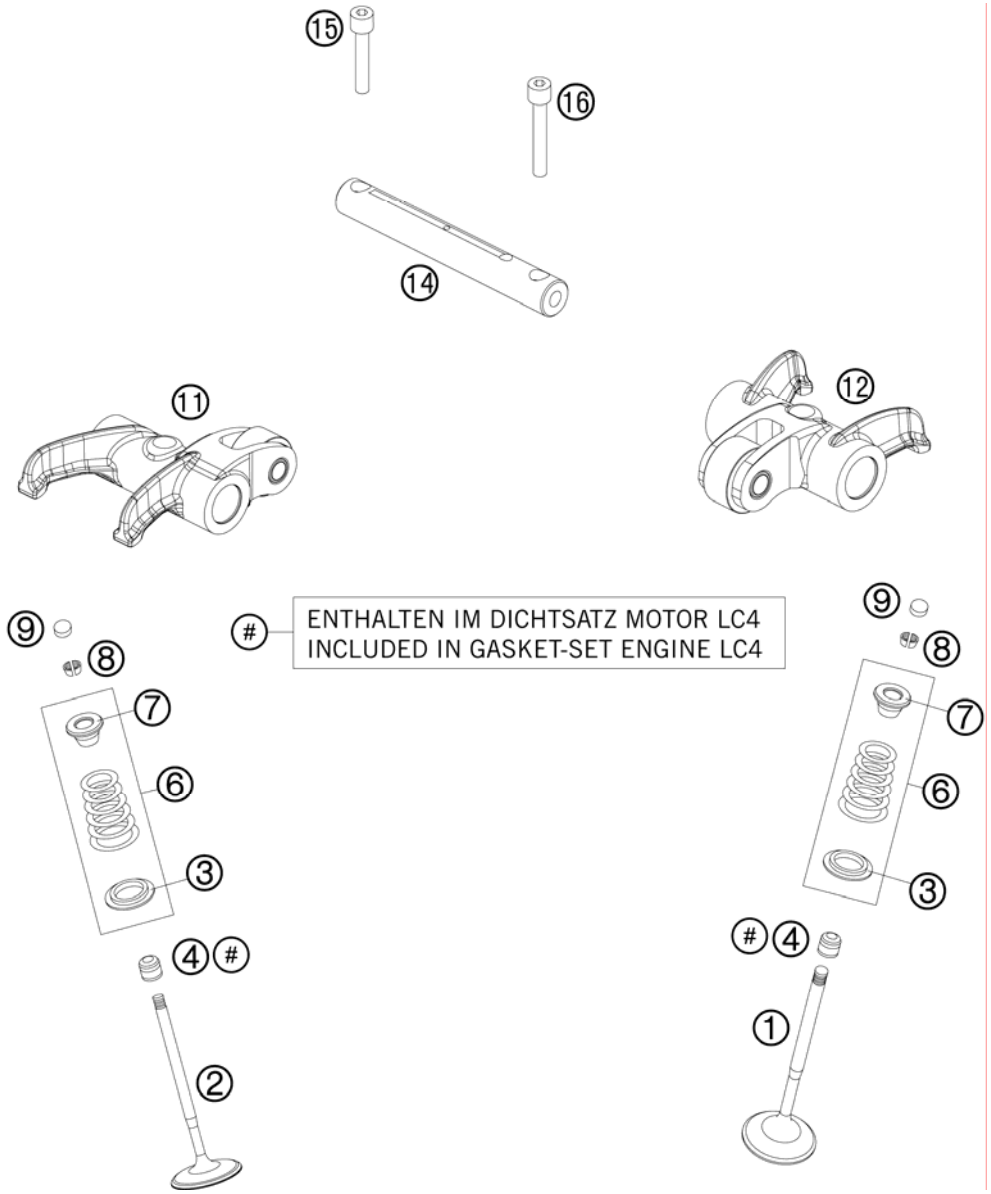

FIG	PART NUMBER	DESCRIPTION	QTY
12	75036060044	ROCKER ARM INTAKE CPL. 07	1
14	75036056000	ROCKER ARM SHAFT 07	2
15	0912060306	AH SCREW DIN912 M6x30	2
16	0912060406	AH SCREW DIN0912 M 6X40	2

097503610 / C097503610

* NEW PART

X AS REQUIRED

TIMING DRIVE

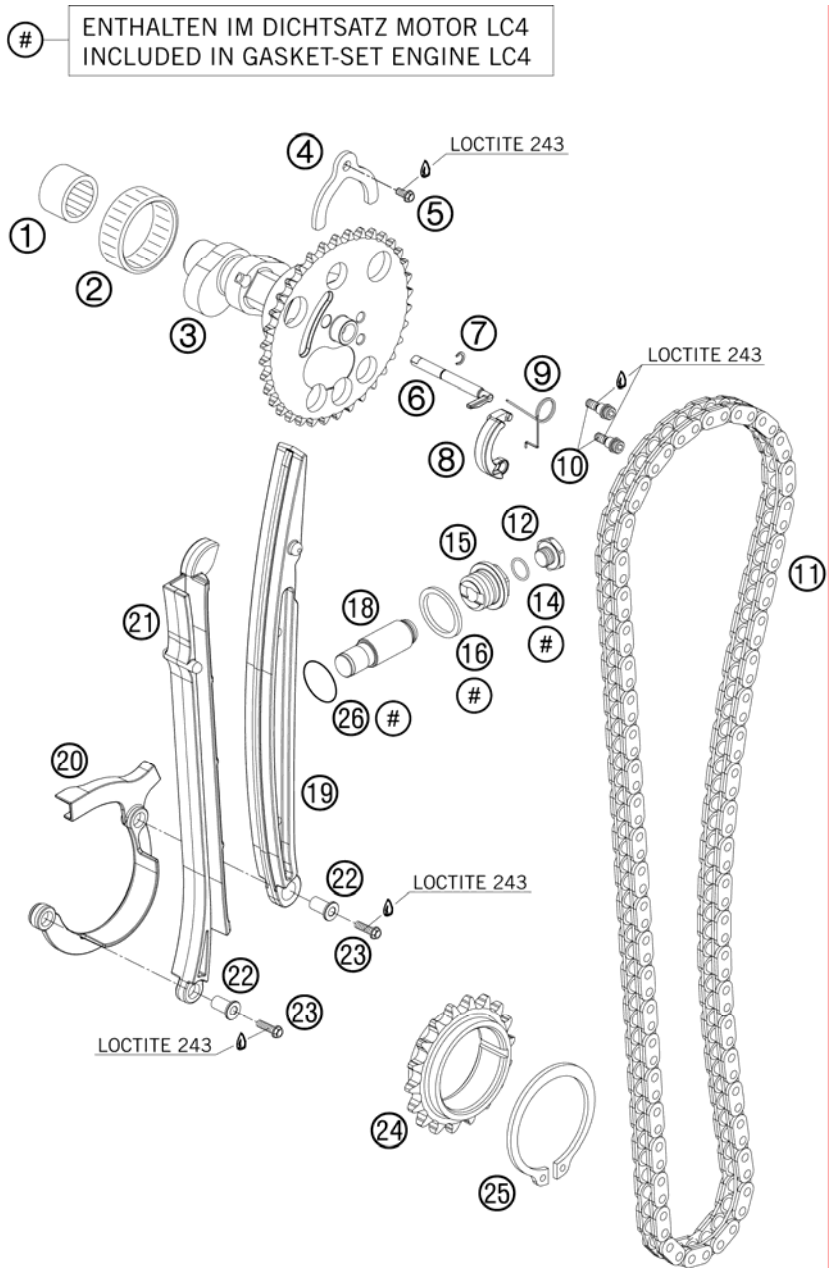

FIG	PART NUMBER	DESCRIPTION	QTY
1	0618182414	NEEDLE SLEEVE HK1814RS18/24/14	1
2	0618404712	NEEDLE SLEEVE HK4012B40X47X12	1
3	75036010000	CAMSHAFT 07	1
4	75036010050	CAMSHAFT HOLDER 07	1
5	0025060126	HH COLLAR SCREW M6X12 TX30	1
6	75036016000	AUTO DECOMPRESSION 07	1
7	75036016050	HALF MOON RING H6-BLS 07	1
8	75036015000	AUTO DECO WEIGHT 07	1
9	75036017000	SPRING FOR AUTO DECOMPR. 07	1
10	75036019000	DECO SCREW 07	2
11	75036013000	TIMING CHAIN 104 LINKS 07	1
12	77336008010	HOLDING BOLT	1
14	0770010010	O-RING 10,00X1,00 NBR 70 SH	1
15	75036008000	SCREW PLUG CHAIN ADJ. 07	1
16	0603202702	CU SEAL-RING 20X27X1	1
18	77036003000	CHAIN ADJUSTER HYD. 05	1
19	75036002000	TENSIONER RAIL 07	1
20	75036018000	SECURING GUIDE 07	1
21	75036001000	GUIDE RAIL 07	1
22	75036018050	SUPPORTING SLEEVE 07	2
23	0025060306S	HH COLLAR SCREW M6X30 TX30	2
24	75036014000	TIMING PULLEY 07	1
25	0471300151	CIRCLIP DIN0471-30X1,5 NIRO	1
26	0770180020	O-RING 18,00X2,00 NBR 70	1

097503620 / C097503620

* NEW PART

X AS REQUIRED

CYLINDER HEAD

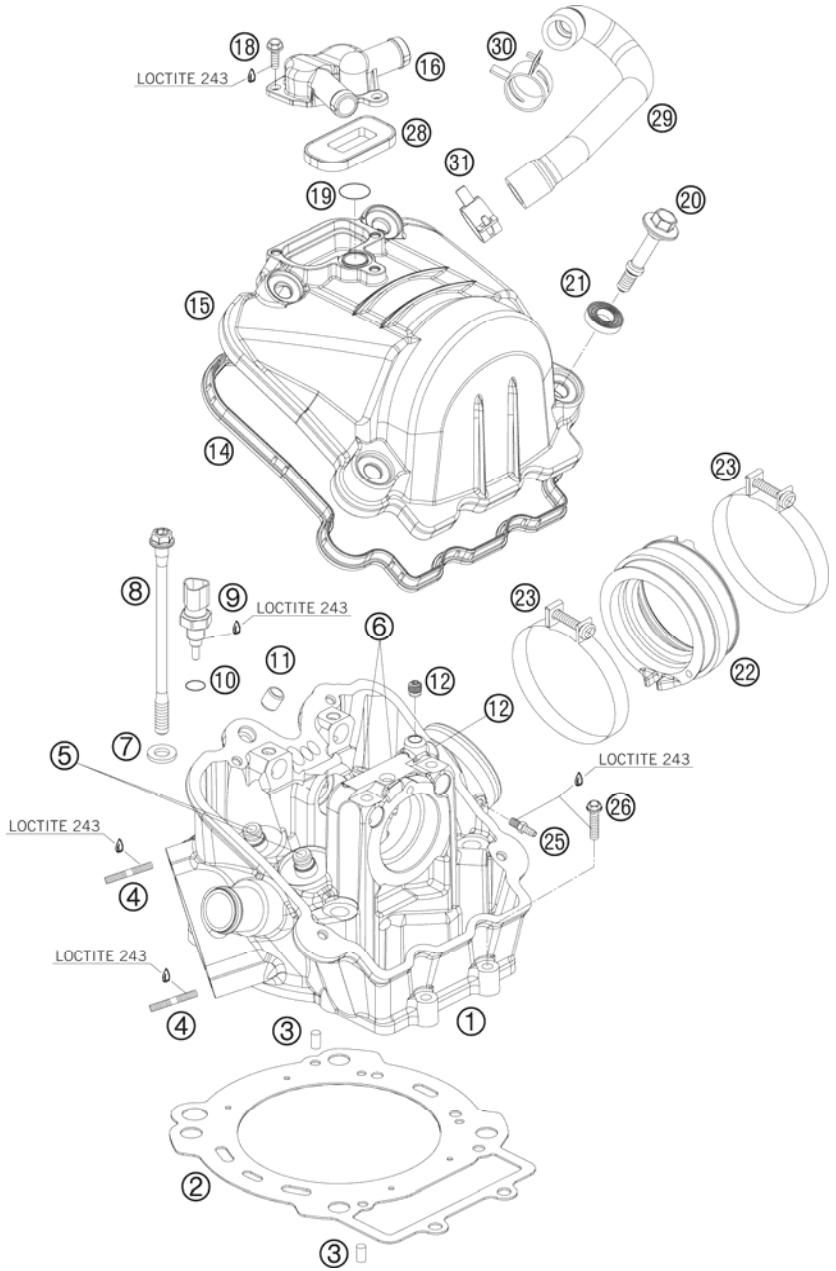

FIG	PART NUMBER	DESCRIPTION	QTY
1	75036020100	CYLINDER HEAD CPL. 05	1
2	75030036000	CYLINDER HEAD GASKET 07	1
3	0474050100	GROOVED PIN DIN1474 5X10	2
4	0835080256	STUD DIN0835-M 8X25 10.9	2
5	60036026100	VALVE GIUDE OUTLET '05	2
6	60036025100	VALVE GIUDE INDUCTION '05	2
7	60036078050	SHIM 10,2X19X1,5MM 05	4
8	75036079000	CYLINDERHEAD SCREW M10X168WS14	4
9	75035047000	TEMPERATURE SENSOR WATER 07	1
10	0770100020	O-RING 10,00X2,00 SILCONE	1
11	49030090000	DOWEL 9,8 X 7 X 10	1
12	59030296000	SCREW PLUG	4
14	75036053000	VALVE COVER GASKET 07	1
15	75036052000	VALVE COVER 07	1
16	75036052050	BREATHER COVER 07	1
18	0984050103S	CYLIND. SCR. DIN6912 M5X10 8.8	3
19	0770150151	O-RING 15,00X1,50 VITON	1
20	75036055000	VALVE COVER SCREW 05	4
21	75036052010	DECOUPLING ELEMENT 07	4
22	75036044000	INTAKE BOOT 07	1
23	75036047000	HOSE CLAMP GEMI 70MM	2
25	60036023100	VACUUM CONECTION M6/0,5MM	1
26	0025060256	HH COLLAR SCREW M6X25 TX30	2
28	60005026000	SLS-VALVE 03	1
29	76530088000	PRE.HOSE OIL SEPARATOR FOAM 08	1
30	00049200121	CLAMP STD DN20	1
31	00049210121	CLAMP 21X12 STD-DES	1

087503635 / C097503631

* NEW PART

X AS REQUIRED

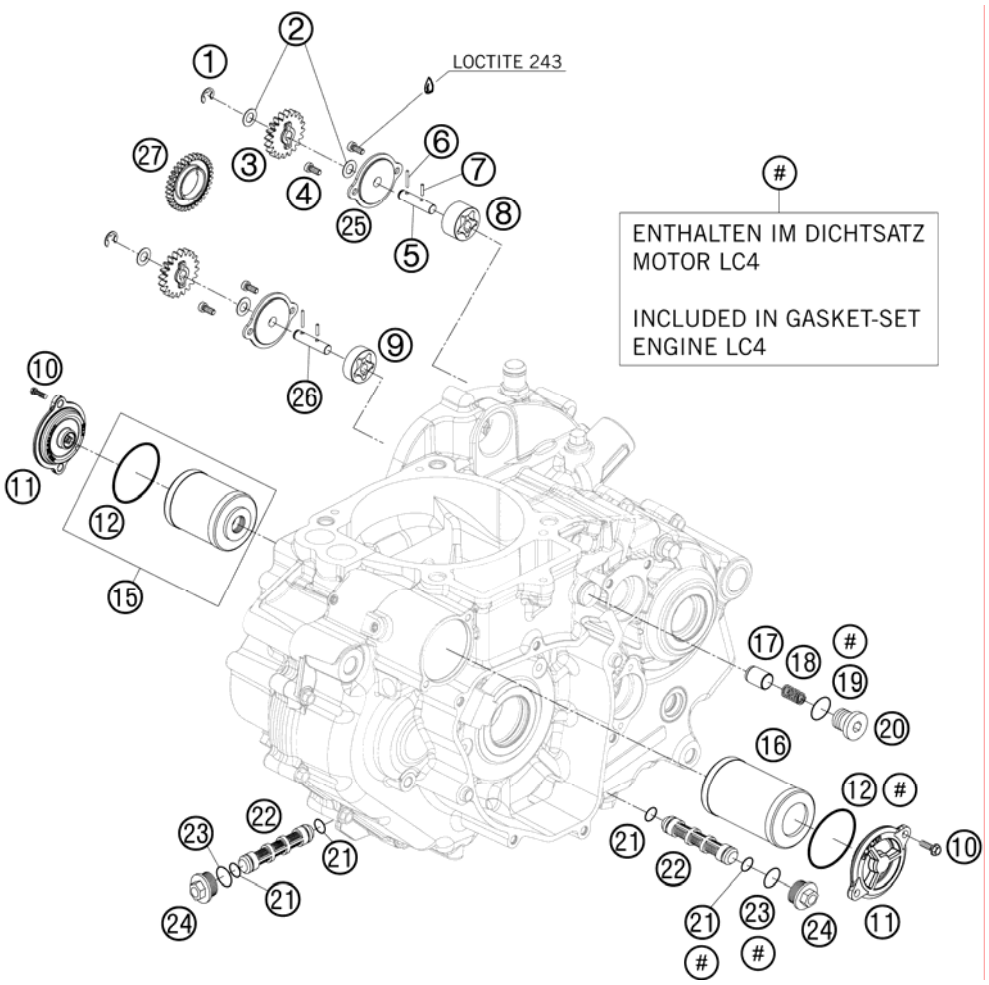

FIG	PART NUMBER	DESCRIPTION	QTY
1	0799060000	TAB WASHER DIN6799-RS 6,0	2
2	58038007755	STOP DISK 8,1 X 15 X 0,5	4
3	75038001020	OIL PUMP GEAR 20-T	2
4	07984050100	AH SCREW DIN7984 M5X10 A2	4
5	75038002000	OIL PUMP SHAFT 07	1
6	0402251980	NEEDLEROL.DIN5402 NRA 2,5X19,8	2
7	0402251180	NEEDLE ROLLER DIN5402 2,5X11,8	2
8	77038011000	OILPUMP ROTOR 15MM G-164	1
9	59038011010	OILPUMP ROTOR CPL. 10MM G-73R	1
10	0025050166	HH COLLAR SCREW M5X16 TX30	4
11	75038041200	OILFILTER CAP	2
12	0770039026	O-RING 39,34X2,62 NBR 70 SH	2
15	59038046144	OIL FILTER SHORT WITH GASKET	1
16	58038005100	OIL FILTER LONG	1
17	58038028000	VALVE PISTON D=10MM	1
18	58538023000	OIL PRES.SPRING 5 BAR RED 2001	1
19	58038022000	CU-SEAL RING DIN7603-12X18X1,5	1
20	0908120153	PLUG DIN0908-M12X1,5	1
21	07701250151	O-RING 12,5X1,5 VITON V75	4
22	59038016000	OIL SCREEN 15X83MM	2
23	0770020170	O-RING 17,17X1,78 GLO	2
24	59038017000	PLUG M20X1,5 WS=13	2
25	75038003000	OIL PUMP COVER 07	2
26	75038004000	OIL PUMP SHAFT 07	1
27	75032050001	OIL PUMP DRIVE WHEEL 07	1

097503810 / C097503810

* NEW PART

X AS REQUIRED

IGNITION SYSTEM

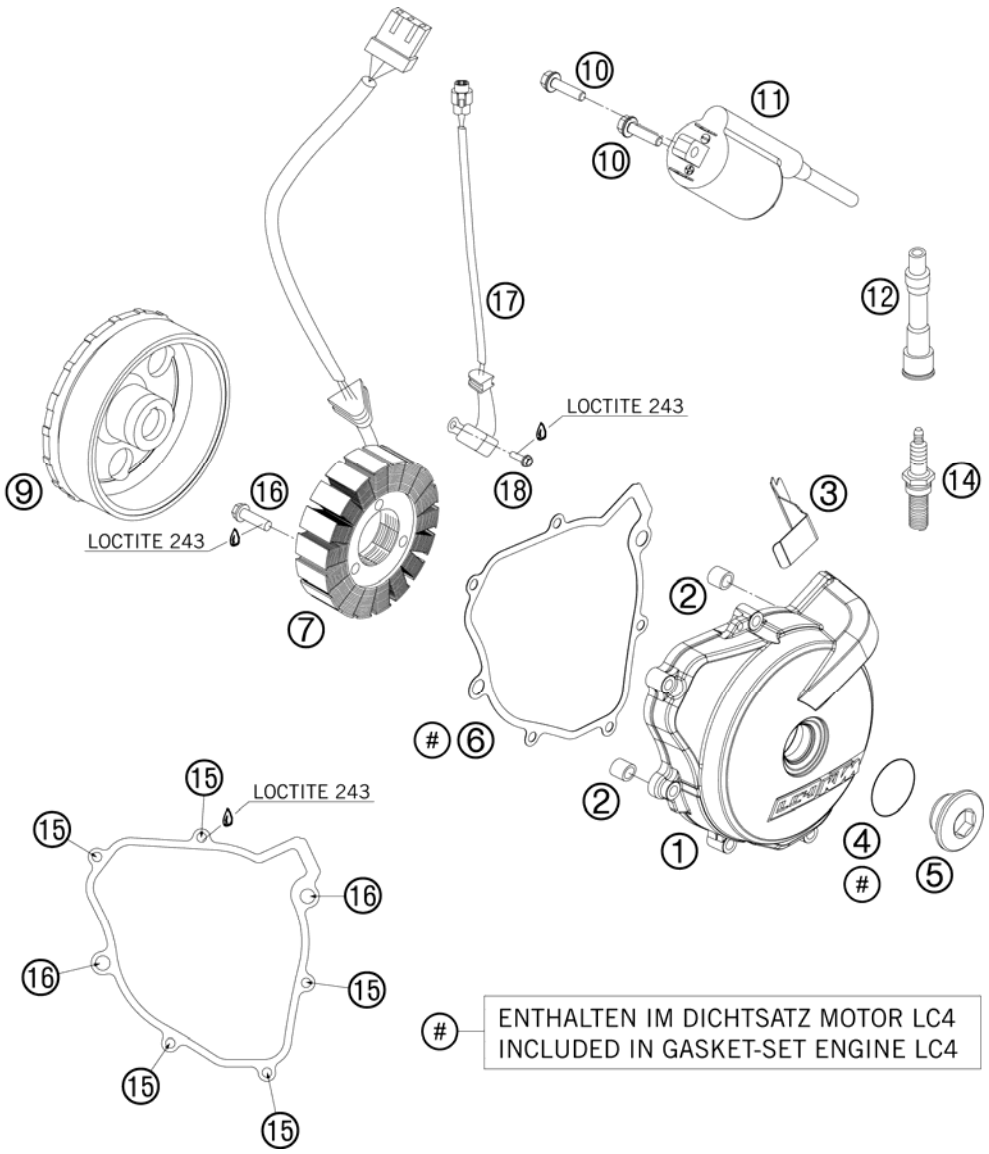

FIG	PART NUMBER	DESCRIPTION	QTY
1	75030002000	IGNITION COVER 07	1
2	49030090000	DOWEL 9,8 X 7 X 10	2
3	60039040020	CABLE SUPPORT GENERATOR 03	1
4	07700240251	O-RING 24X2,5 VITON	1
5	6003009400030	SCREW PLUG M24X1,5 PA 6.6	1
6	75030040000	IGNITI.COVER GASKET 07	1
7	75039004000	STATOR	1
9	75039005000	FLYWHEEL	1
10	0025050166	HH COLLAR SCREW M5X16 TX30	2
11	75039006000	IGNITIONCOIL 07	1
12	75039090000	SPARK PLUG CONNECT.	1
14	75039093000	SPARK PLUG M12X1,25 LKAR8AI-9	1
15	0025060256	HH COLLAR SCREW M6X25 TX30	5
16	0025060306	HH COLLAR SCREW M6X30 TX30	5
17	75039034000	PULSER COIL	1
18	0025060166	HH COLLAR SCREW M6X16 TX30	2

097503910 / C097503910

* NEW PART

X AS REQUIRED

ELECTRIC STARTER

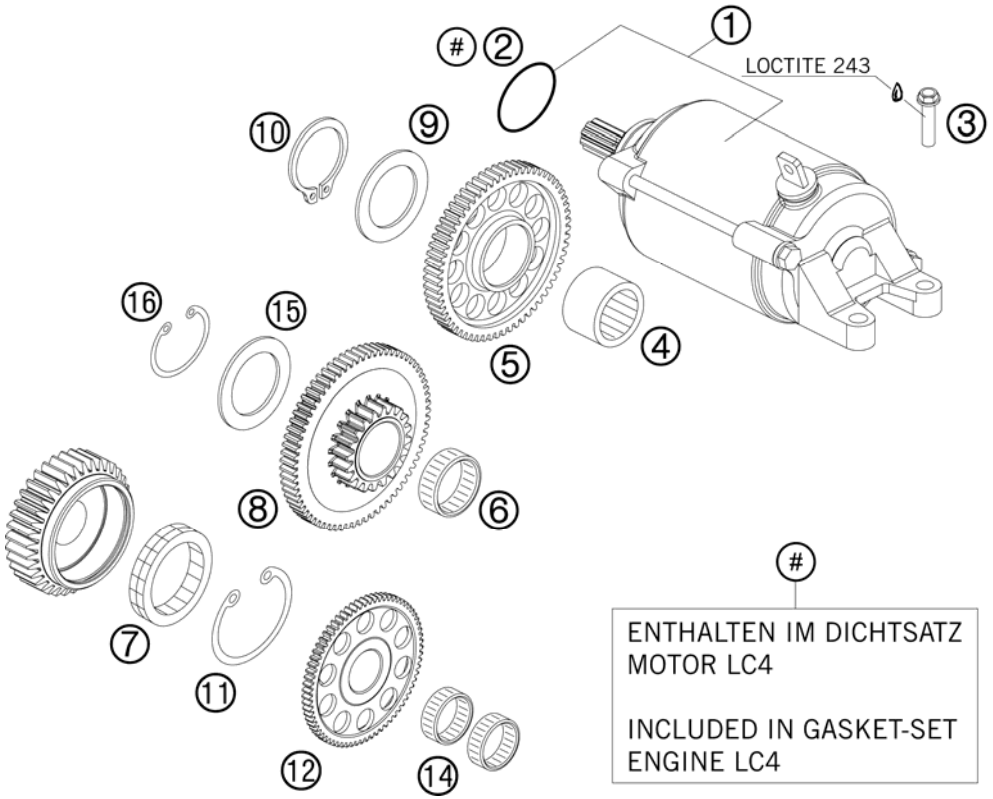

FIG	PART NUMBER	DESCRIPTION	QTY
1	75040001000	E-STARTER ENGINE CPL. 07	1
2	0770335030	O-RING 33,5X3 VITON	1
3	0025060206	HH COLLAR SCREW M6X20 TX30	2
4	0618172312	NEEDLE SLEEVE HK 1712 17X23X12	1
5	75040022000	INTERMEDIATE GEAR	1
6	0405172117	NEEDLE BEARING K17X21X17	1
7	75040026000	FREE WHEEL	1
8	75040015000	TORQUE LIMITER 07	1
9	54633090000	STOP DISK 17,2X25X1	1
10	0471170010	CIRCLIP DIN0471-17X1	1
11	0472056200	CIRCLIP DIN0472 J56	1
12	75040020000	FREEWHEEL GEAR 07	1
14	0405263013	NEEDLE BEAR. K 26X30X13	2
15	75040015007	STOP DISK 17,2X22X1	1
16	0471170100	CIRCLIP DIN 0471-17X1	1

097504010 / C097504010

* NEW PART

X AS REQUIRED

THROTTLE BODY

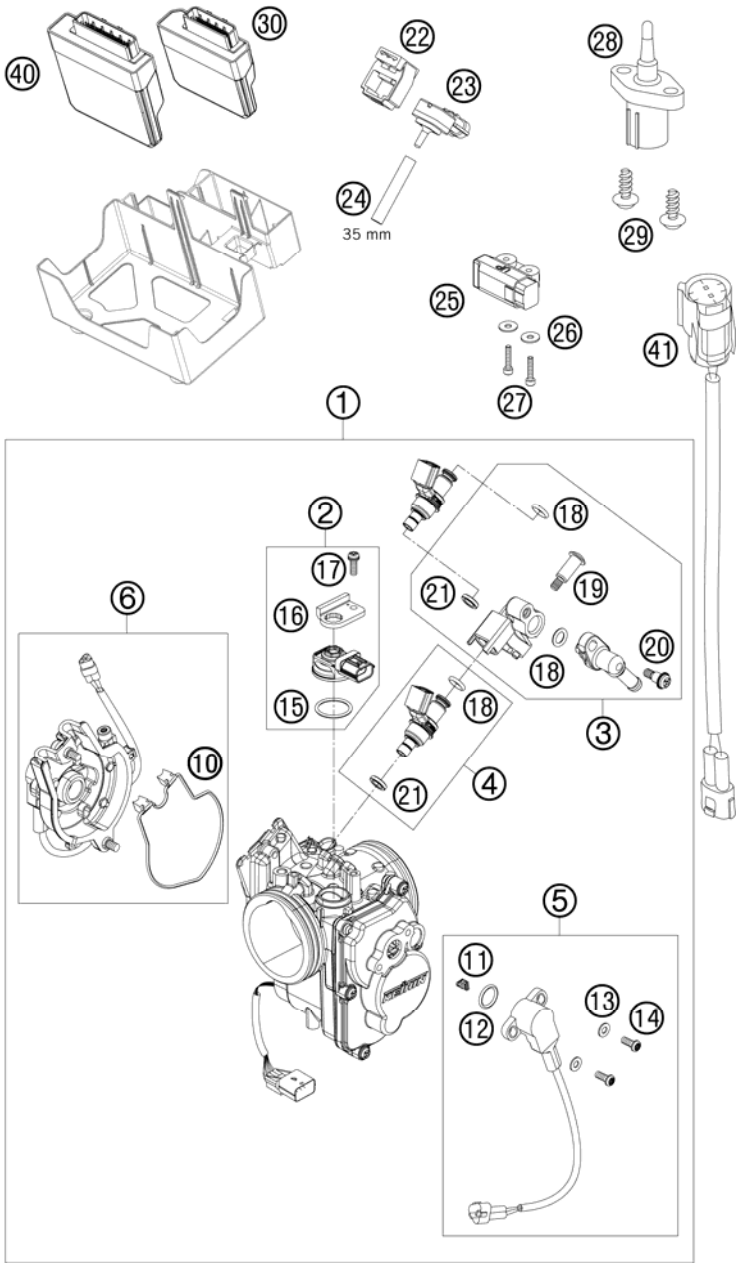

FIG	PART NUMBER	DESCRIPTION	QTY
1	75041001000	THROTTLE BODY	1
2	75041085044	MAP SENSOR CPL. 07	1
3	75041013044	FUEL RAIL ASSY SET 07	1
4	75041023044	FUEL INJECTOR ASSY SET 07	1
5	75041077044	TPS CPL. 07	1
6	75041001044	APS CPL. 07	1
10	75041001060	PACKING	1
11	75041077020	CONNECTOR JOINT	1
12	75041077010	O-RING	1
13	75041077040	WASHER	2
14	75041077030	SCREW TORX	2
15	75041085010	O-RING	1
16	75041085020	PLATE, STAY	1
17	75041085030	SCREW WASHER	1
18	75041023020	O-RING	2
19	75041013060	SCREW SHOULDER	1
20	75041013010	SCREW SHOULDER	1
21	75041023010	SEAL RING	1
22	61041085150	RUBBER SUPP. PRESSURE SENS. 06	1
23	61041085100	PRESSURE SENSOR 06	1
24	60031098001	HOSE 3,2X8,5 PER METER	x
25	61041088000	ROLLOVER SENSOR 05	1
26	61041088050	SHIM 4,3X15X1,25MM GALVANIZED	2
27	0912040253	AH SCREW DIN0912-M 4X25	2
28	61041080000	AMBIENT-AIR TEMPERATURE SENSOR	1
29	0016050121	SCREW FOR PLASTIC 50X12	2
30	75041032000	TIMING CHARGER EPT 07	1
40	75041031000	TIMING CHARGER EFI 07	1
41	75011047000	AMBIENT-AIR TEMP. SENSOR CABLE	1

097504110 / C097504110

* NEW PART

X AS REQUIRED

NOTICE

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KTM Group Partner

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