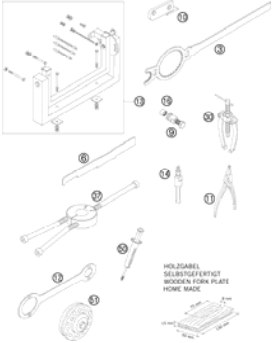
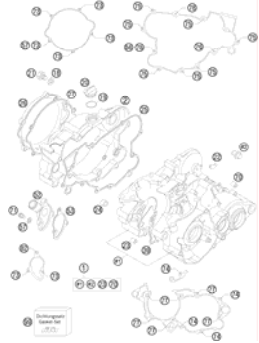
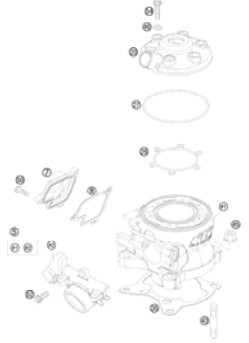
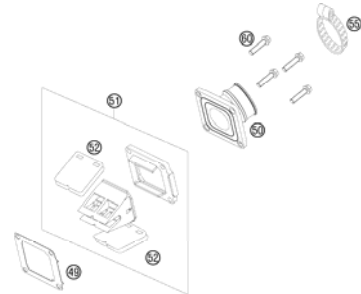
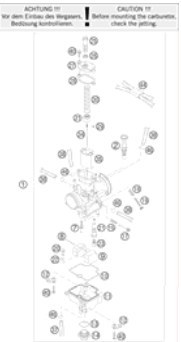
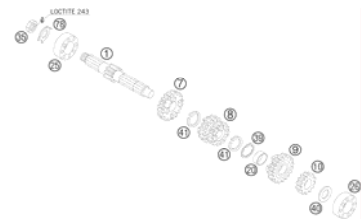
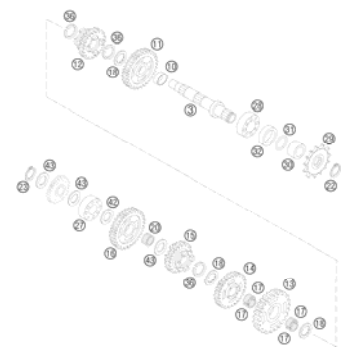
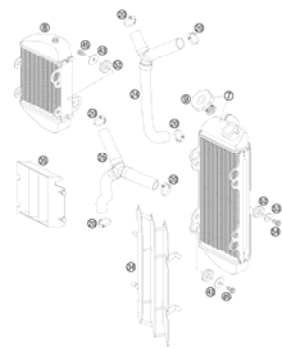


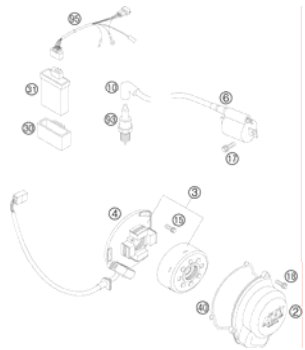
SPARE PARTS MANUAL: ENGINE

ART.NO.: 3CM080503IEN

ENGLISH



SPECIAL TOOLS  3	ENGINE CASE  4	CYLINDER  5	CRANKSHAFT, PISTON  6
REED VALVE CASE  7	CARBURETOR  8	CLUTCH  10	KICK STARTER  11
TRANSMISSION I - MAIN SHAFT  12	TRANSMISSION II - COUNTERSHAFT  13	SHIFTING MECHANISM  14	COOLING SYSTEM  15

EXHAUST CONTROL  16	IGNITION SYSTEM  18		
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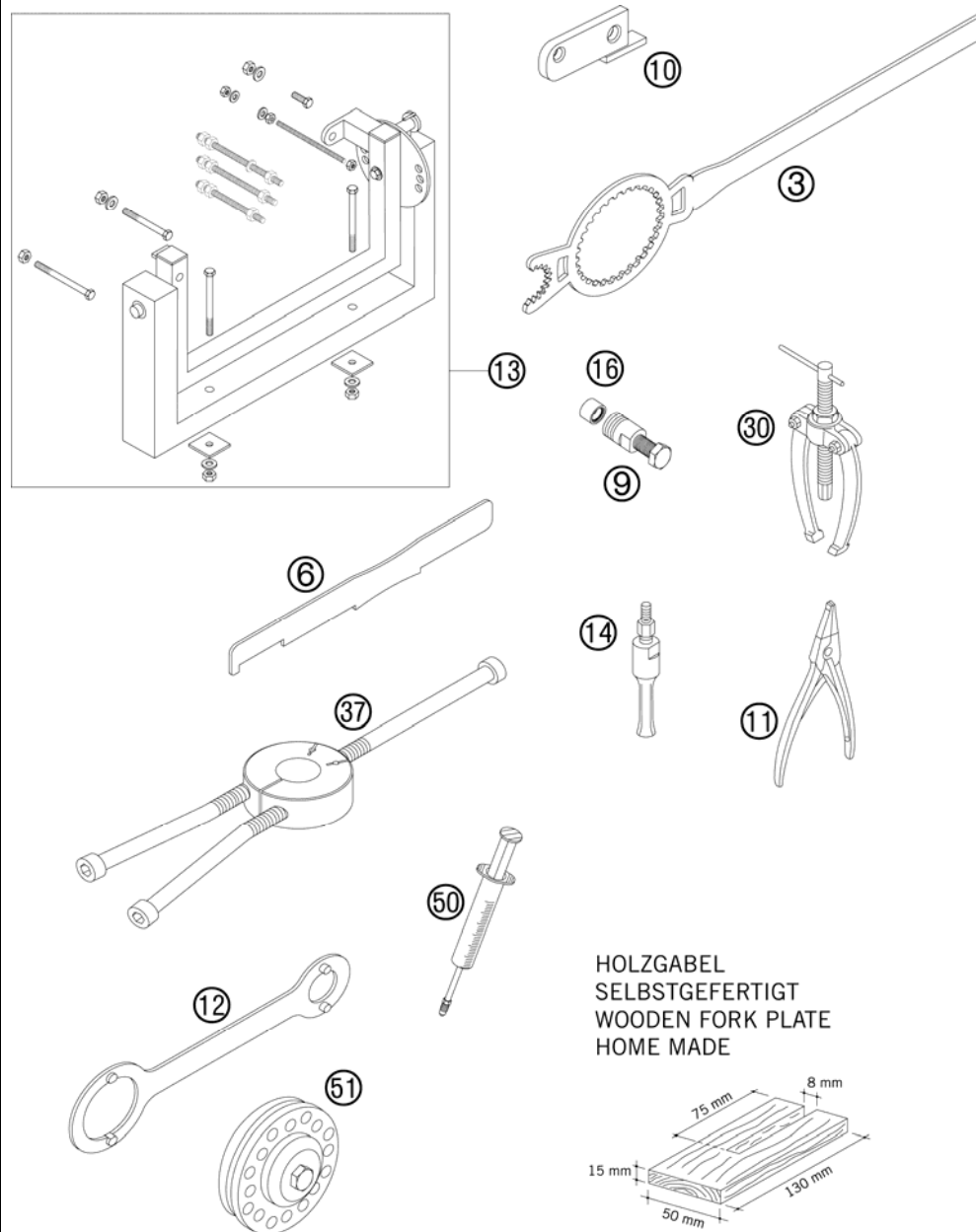


FIG	PART NUMBER	DESCRIPTION	QTY
3	47029003000	CLUTCH HOLDER 85 SX 2003	1
6	47529006000	ADJUSTING PLATE 105 SX 2004	1
9	54629009044	MAGNETIC PULLER M 27X1 KOKUSAN	1
10	47029002000	ENGINE HOLDER RIGHT 85	1
11	51012011000	SPECIAL CIRCLIP PLIER	1
12	54629012100	HOLD. SPANNER ROTOR 2K-1/2/3/4	1
13	56012001044	ASSY SUPPORT WITH ENGINEHOLDER	1
14	15112018200	INTERN.BEAR.PULLER 5-7 MM	1
16	51012016000	PROTECTION CAP CRANKSHAFT M12	1
30	15112017000	BUSHING EXTRACTOR	1
37	58429037031	MOUNTING TOOL INNER RING NJ205	1
50	50329050000	VENT INJEKTION HYDR. CLUTCH	1
51	47029027000	RIVETTING TOOL FOR CLUTCH	1

084702910 / C084752910

* NEW PART

X AS REQUIRED

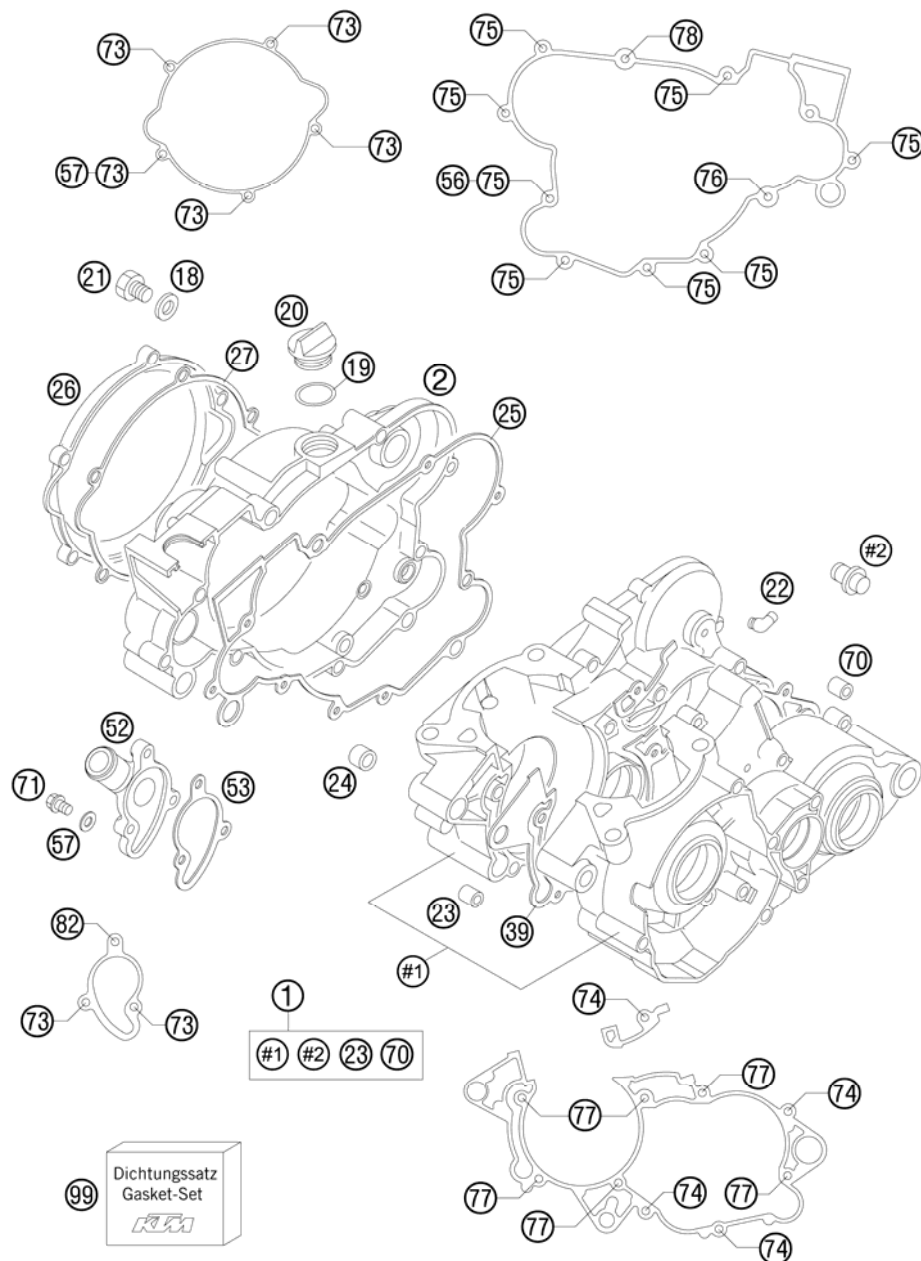


FIG	PART NUMBER	DESCRIPTION	QTY
1	47030000144	ENGINE CASE CPL. 85 SX 2008	1
2	47030001100	CLUTCH COVER CPL. 85 SX 06	1
18	0603101420	COPPER GASKET 10,2X14X2 MM 01	1
19	0770160030	O-RING 16,00X3,00 NBR 70	1
20	58030020000	PLUG M 24X3	1
21	46030021100	OIL DRAIN PLUG M10 WS=13	1
22	45130022000	ANGLE PIECE 50CCM LC 2001	1
23	47030023100	DOWEL 13X13	1
24	45130023000	DOWEL 7X9X10	1
25	47030025000	INNER CLUTCH COVER GASKET	1
26	47030101100	OUTER CLUTCH COVER 85 SX 06	1
27	47030027100	GASKET FOR OUTER CLUTCH COVER	1
39	47030039000	GASKET F. ENGINE CASE 85 SX 03	1
52	47035052000	WATER PUMP COVER 85 SX 2003	1
53	47035053000	GASKET FOR WATER PUMP COVER 03	1
56	47003071000	SPRINGHOLDER	1
57	0603061001	CU-SEAL RING DIN7603-6X10X1	2
70	47030023000	DOWEL 14,5X19	1
71	0015060103	HH COLLAR SCREW M 6X10 WS=8	1
73	0015060203	HH COLLAR SCREW M 6X20 WS=8	7
74	0015060253	HH COLLAR SCREW M 6X25 WS=8	4
75	0015060303	HH COLLAR SCREW M 6X30 SW=8	8
76	0015060353	HH COLLAR SCREW M 6X35 WS=8	1
77	0015060403	HH COLLAR SCREW M 6X40 WS=8	6
78	0015060453	HH COLLAR SCREW M 6X45 WS=8	1
82	0015060653	HH COLLAR SCREW M 6X65 WS=8	1
99	47030099100	GASKET SET CPL. 85/105SX 04	1

084703010 / C084703010

* NEW PART

X AS REQUIRED

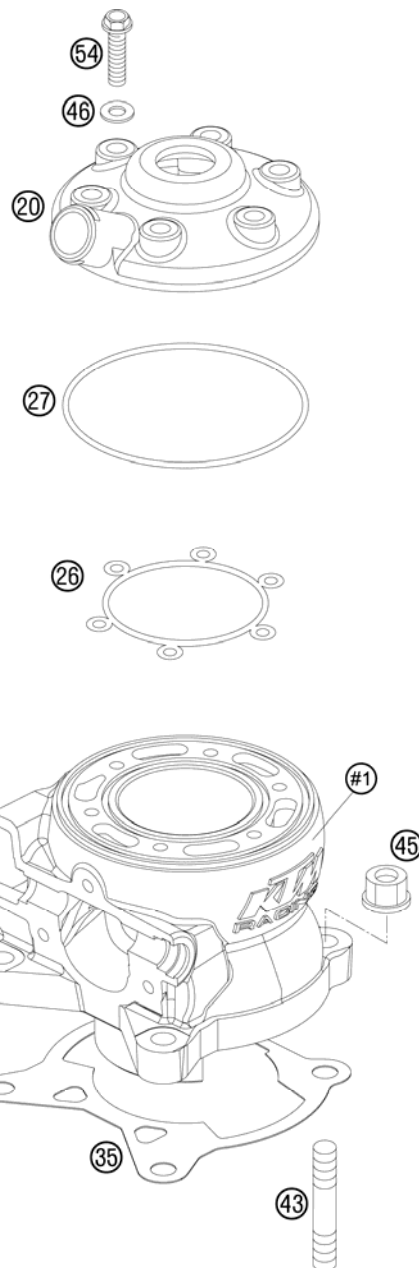


FIG	PART NUMBER	DESCRIPTION	QTY
5	47530005044	CYLINDER WITH FLANGE 105 SX 04	1
7	47037007000	CONTROL COVER 85 SX 2003	1
8	47037008000	GASKET FOR CONTROL COVER 2003	1
20	47530006000	CYLINDER HEAD 105 SX 2004	1
26	47530037000	SEAL RING SILICONE 105 SX 2004	1
27	0770820020	O-RING 82X2 SILICONE	1
35	47030035000	CYLINDER BASE GASKET 0,50MM	x
35	47030035020	CYLINDER BASE GASKET 0,20MM	x
35	47030035030	CYLINDER BASE GASKET 0,30MM	x
43	0835080240	STUD DIN 0835-M 8X24	4
45	46030045000	COLLAR NUT M8 WS=10	4
46	0603061001	CU-SEAL RING DIN7603-6X10X1	6
50	0015050123	HH COLLAR SCREW M 5X12 WS=8	3
52	0015060163	HH COLLAR SCREW M 6X16 WS=8	3
54	0015060253	HH COLLAR SCREW M 6X25 WS=8	6

084753040 / C084753040

* NEW PART

X AS REQUIRED

CRANKSHAFT, PISTON

105 SX 2009

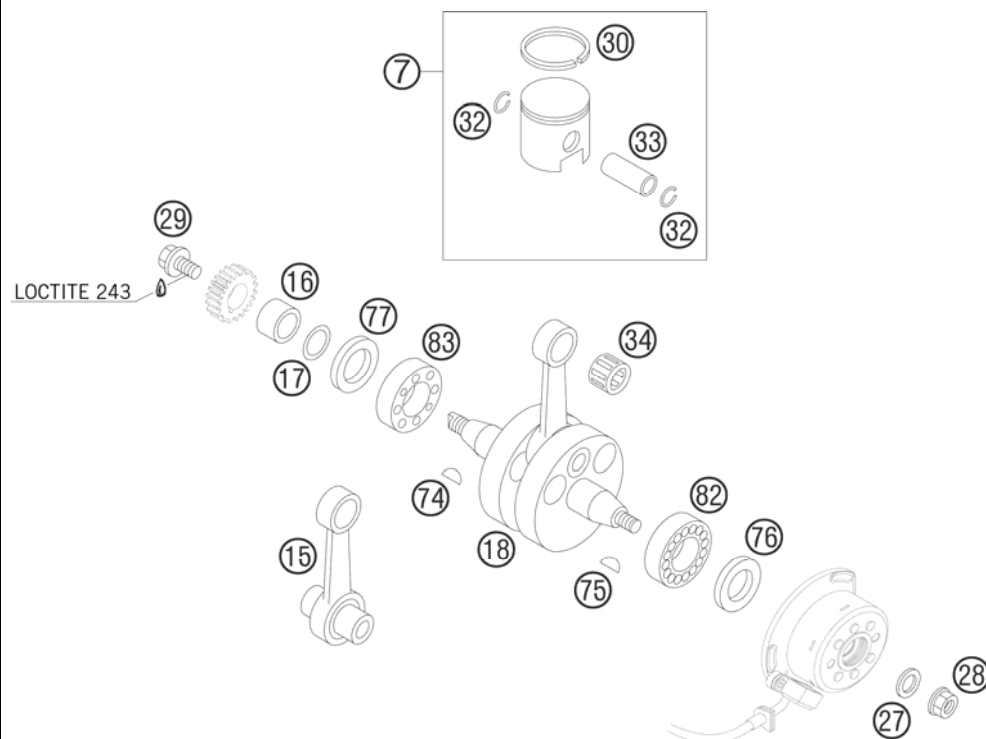


FIG	PART NUMBER	DESCRIPTION	QTY
7	47530007000 I	PISTON I CPL. 105 SX 52MM 04	1
7	47530007000 II	PISTON II CPL. 105 SX 52MM 04	1
15	47030015100	CON. ROD. REP. KIT 85 SX '06	1
16	47030016000	SPACER SLEEVE 85 SX 2003	1
17	0770020180	O-RING 18,77X1,78 NBR 70	1
18	47030018100	CRANKSHAFT CPL.	1
27	50230029012	LOCKING RING VSK 12	1
28	49030021000	COLLAR NUT M12X1 R/S	1
29	47032019000	HH SCREW W. COLLAR M10X1,25X20	1
30	47530030000	PISTON RING 105 SX 2004	1
32	47030074000	WIRE LOCK RING 85 SX 2003	2
33	47530033000	PISTON BOLT 105 SX 2004	1
34	47030034000	NEEDLE BEARING KBK 14X18X17 03	1
74	0888040050	WOODRUFF KEY DIN6888 4X5X13	1
75	0888030050	WOODRUFF KEY DIN6888-3X5X13	1
76	47030076100	SEAL SHAFT RING 20X35X6 BTSL	1
77	0760304261	OIL SEAL	1
82	47030082000	CYL.ROLLER BEAR. NJ205ET2XCS42	1
83	47030083000	BALL BEARING 22X52X15	1

084703060 / C084753060

* NEW PART

X AS REQUIRED

REED VALVE CASE

105 SX 2009

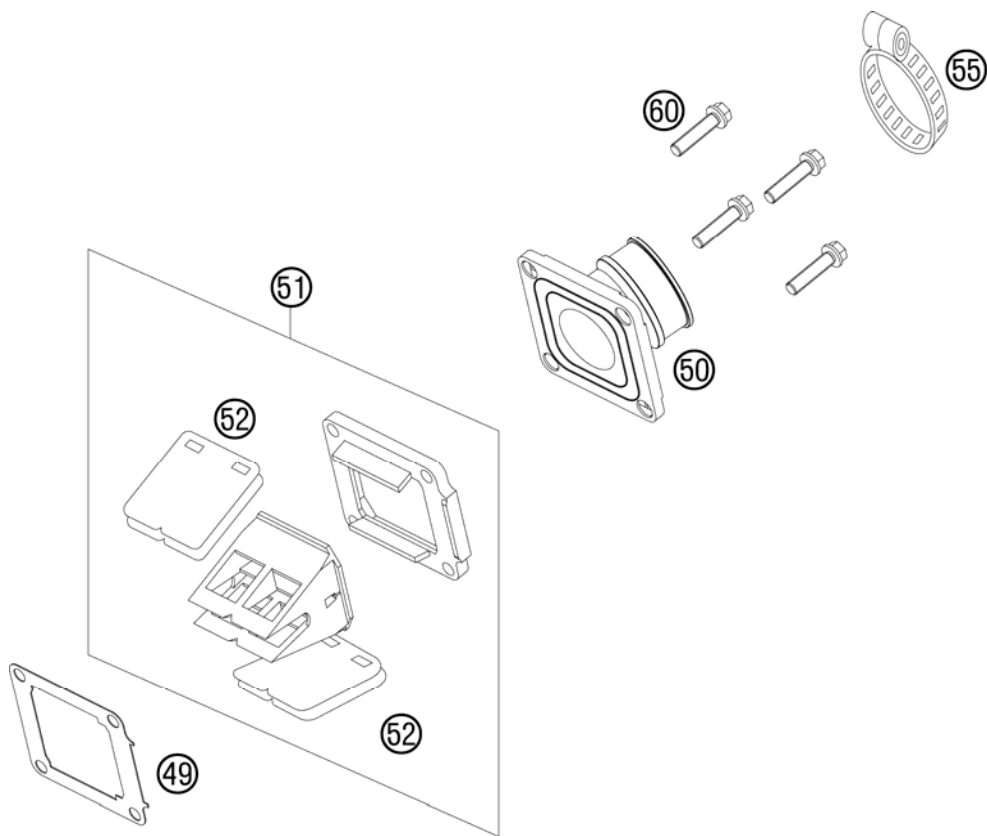


FIG	PART NUMBER	DESCRIPTION	QTY
49*	47030049100	GASKET FOR INTAKE FLANGE 85 SX	1
50*	47030050100	INTAKE FLANGE 85 SX 2009	1
51*	47030051144	REED VALVE ASSY CPL.85 SX 2009	1
52*	47030052144	REED VALVE CPL. 85 SX 2009	2
55	51230061000	CLAMP 40/12 GEMI	1
60*	0015060253	HH COLLAR SCREW M 6X25 WS=8	4

094703070 / C094703070

* NEW PART

X AS REQUIRED



ACHTUNG !!!
Vor dem Einbau des Vergasers,
Bedüsung kontrollieren.

CAUTION !!!
Before mounting the carburetor,
check the jetting.

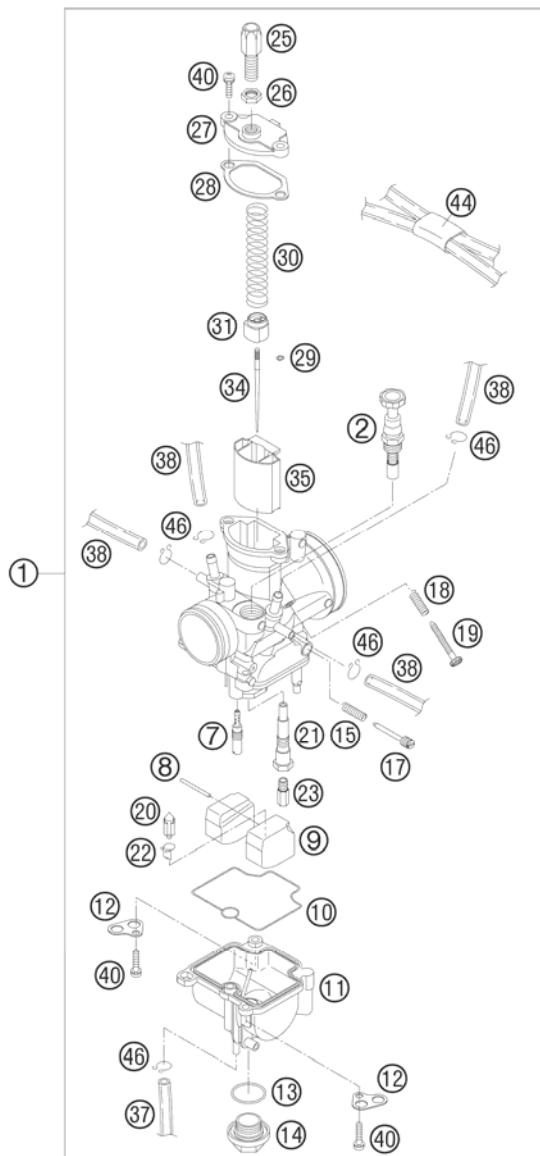


FIG	PART NUMBER	DESCRIPTION	QTY
1	47031001000	CARBURETOR KEIHIN PWK 28 2003	1
2	54631245000	STARTER PISTON CPL.	1
7	54531607038	IDLE JET 38 KEIHIN	x
7	54531607040	IDLE JET 40 KEIHIN	x
7	54531607042	IDLE JET 42 KEIHIN	x
7	54531607045	IDLE JET 45 KEIHIN	1
7	54531607048	IDLE JET 48 KEIHIN	x
7	54531607050	IDLE JET 50 KEIHIN	x
8	57331008000	ARM PIN FLOAT	1
9	47031009000	FLOAT CPL. PWK28 03	1
10	47031010000	FLOAT CHAMBER GASKET	1
11	47031011000	FLOAT CHAMBER PWK28 03	1
12	54531612100	RETAINING PLATE FOR BLEEDER	2
13	0770180230	O-RING 18,00X2,30 NBR 70	1
14	54531699000	PLUG M 18X1	1
15	54531615000	SPRING FOR ADJUSTMENT SCREW	1
17	54531617000	ADJUSTMENT SCREW	1
18	54631118000	SPRING	1
19	54631219100	ADJUSTMENT SCREW M 5	1
20	47031020000	FLOAT NEEDLE CPL.	1
21	47031021000	NEEDLE JET	1
22	47031022000	CLIP FOR FLOAT VALVE	1
23	54531623115	MAIN JET 115 KEIHIN	x
23	54531623118	MAIN JET 118 KEIHIN	x
23	54531623120	MAIN JET 120 KEIHIN	x
23	54531623122	MAIN JET 122 KEIHIN	x
23	54531623125	MAIN JET 125 KEIHIN	x
23	54531623128	MAIN JET 128 KEIHIN	x
23	54531623130	MAIN JET 130 KEIHIN	x
23	54531623132	MAIN JET 132 KEIHIN	x
23	54531623135	MAIN JET 135 KEIHIN	x
25	54531625000	ADJUSTMENT SCREW M 6X0,75	1
26	52031126000	HEXAGON NUT M 6X0,75 DIN0439	1
27	47031027000	CARBURETOR COVER PWK28 03	1
28	47031028000	CARBURETOR COVER GASKET PWK28	1
29	54531629000	CLIP FOR JET NEEDLE	1

084703110 / C084703110

* NEW PART

X AS REQUIRED

ACHTUNG !!!
Vor dem Einbau des Vergasers,
Bedüsung kontrollieren.

CAUTION !!!
Before mounting the carburetor,
check the jetting.

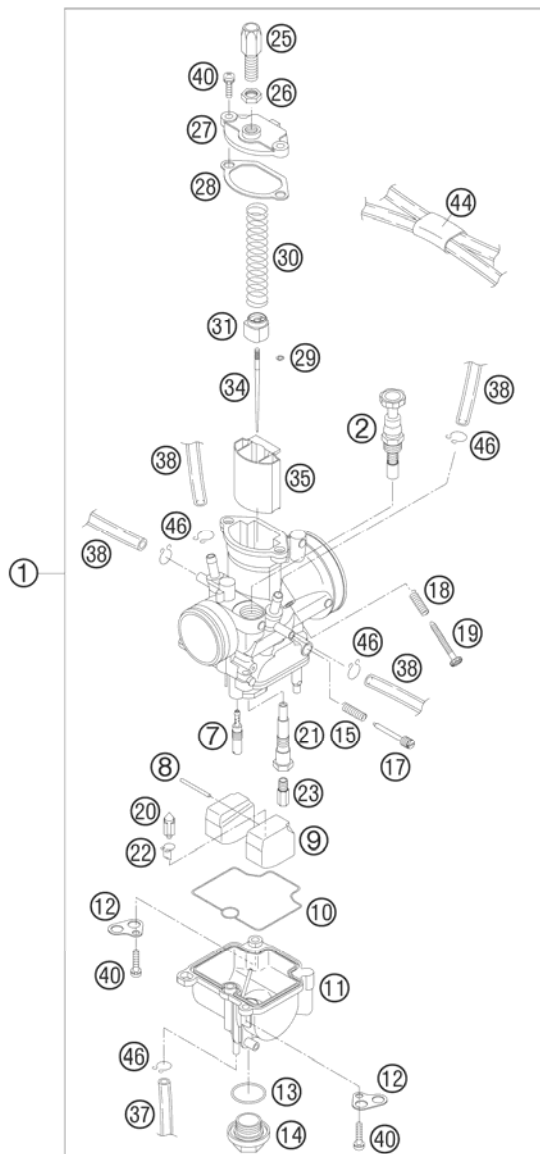


FIG	PART NUMBER	DESCRIPTION	QTY
30	47031030000	THROTTLE VALVE SPRING	1
31	47031031000	SPRING CAP	1
34	47031034000	JET NEEDLE N5HG KEIHIN	1
34	47031034100	JET NEEDLE N5HF KEIHIN	x
34	47031034200	JET NEEDLE N5HH KEIHIN	x
35	47031035000	THROTTLE VALVE 3,5	1
37	52031137001	PVC-HOSE 3X5MM	x
38	31007007101	PVC-HOSE 4X6MM	2
40	0016040163	HH COLLAR SCREW M 4X16 WS=6	4
44	47031084000	PLASTIC-CLIP	1
46	54531696000	CLAMP 6 MM	5

084703110 / C084703110

* NEW PART

X AS REQUIRED

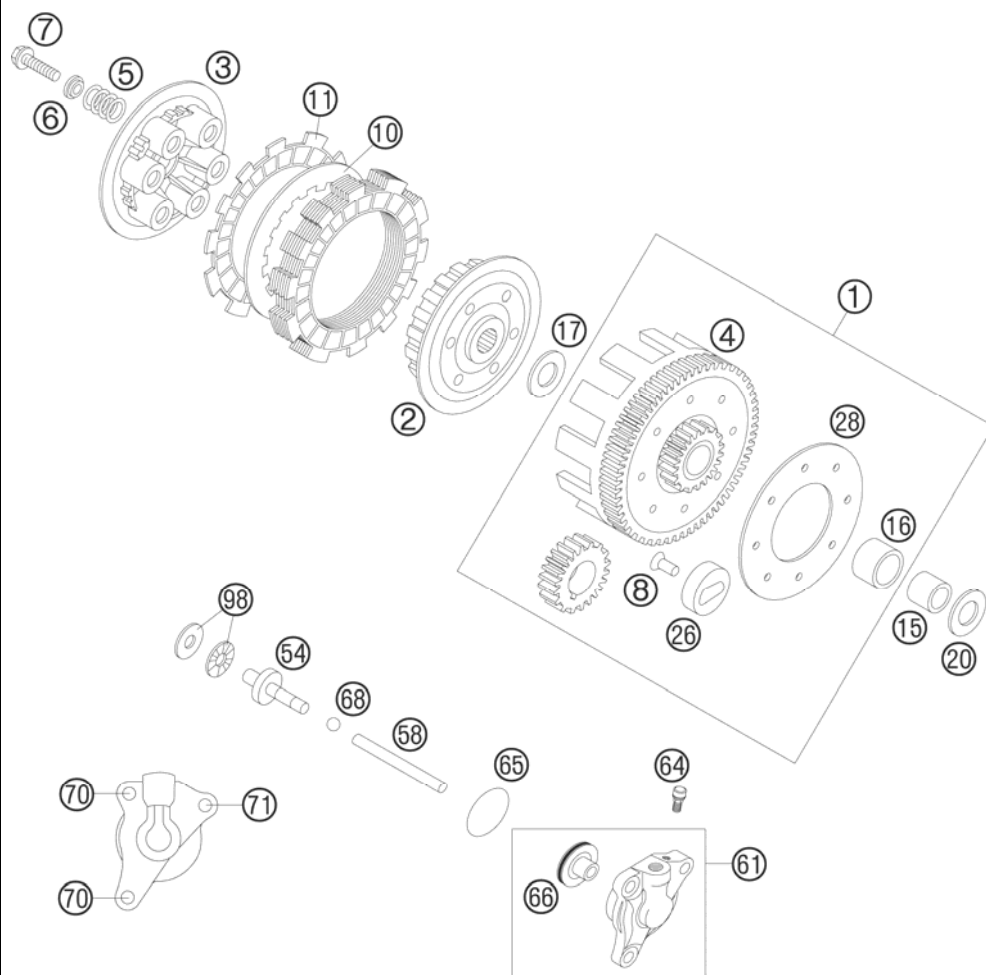


FIG	PART NUMBER	DESCRIPTION	QTY
1	47032001144	OUTER CLUTCH HUB CPL. 85 SX 07	1
2	47032002000	INNER CLUTCH HUB 85 SX 2003	1
3	47032003000	PRESSURE CAP 85 SX 2003	1
4	47032001100	OUT. CLUTCH HUB LOOSE 85 SX 07	1
5	47032005000	CLUTCH SPRING 85 SX 2003	5
6	47032006000	SPRING RETAIN. 5,1X10,2X15X2,5	5
7	0015050203	HH COLLAR SCREW M 5X20 WS=8	5
8	47032008000	RIVET DIN0661 5X14	6
10	47032010000	STEEL DISC 85 SX 03	6
11	47032011000	LINING DISC 85 SX 2003	7
15	47032015000	BUSHING 20X25X20,5	1
16	47032016000	INNER RING 25X28X20	1
17	47032017000	SUPPORT WASHER 18,5X35X1,5 03	1
20	47032020000	STOP DISC 20X32X2	1
26	47032026000	DAMPING ELEMENT 85 SX 2003	6
28	47032028000	RETAINING PLATE 85 SX 2003	1
54	47032054000	PRESSURE PLATE 85 SX 2003	1
58	47032058000	PUSH ROD 85 SX 2003	1
61	59032061044	OUTPUT CYLINDER CPL. 27MM 2003	1
64	54732064000	BLEEDER SCREW WITH CAP	1
65	0770300015	O-RING 30,00X1,50 NBR 70	1
66	59032066000	PISTON + O-RING + BALL 27MM	1
68	47032068000	BALL D=6MM 85 SX 2003	1
70	0015060163	HH COLLAR SCREW M 6X16 WS=8	2
71	0015060303	HH COLLAR SCREW M 6X30 SW=8	1
98	47032098000	AXIAL NEEDLE BEARING 85 SX 03	1

084703210 / C084703210

* NEW PART

X AS REQUIRED

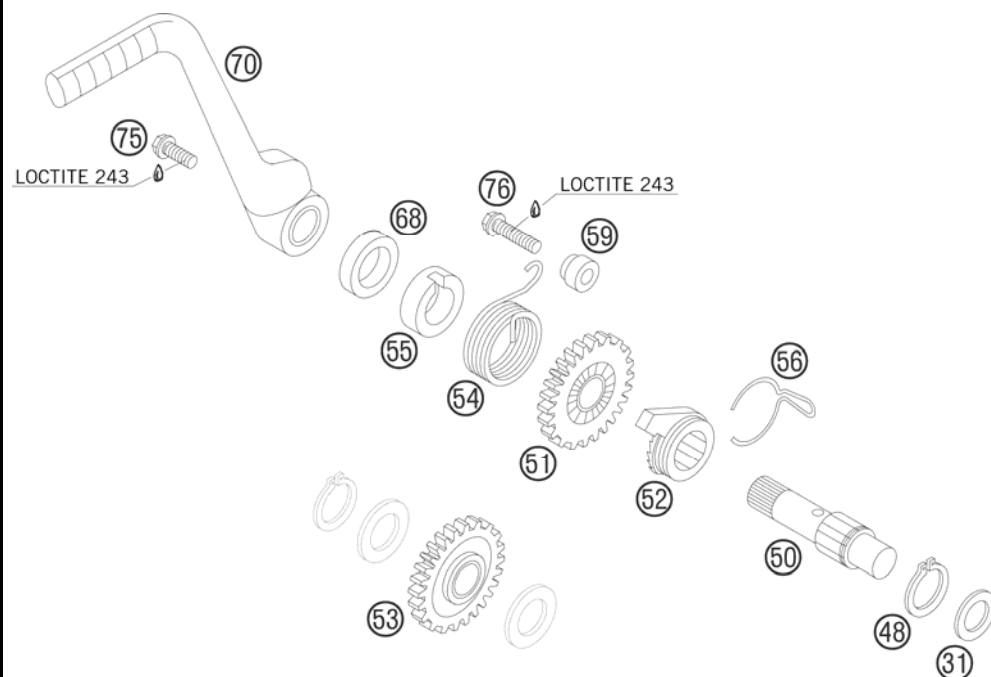


FIG	PART NUMBER	DESCRIPTION	QTY
31	47033040000	STOP DISC 15X25X1	1
48	0471190120	CIRCLIP DIN0471-19X1,2	1
50	47033050000	KICKSTART SHAFT 85 SX 2003	1
51	47033051000	KICKSTART GEAR 85 SX 2003	1
52	47033052000	RATCHET GEAR 85 SX 2003	1
53	47033053000	KICKST. INTERMEDIATE GEAR 2003	1
54	47033054000	KICKSTART SPRING 85 SX 2003	1
55	46033055000	DRIVING HUB	1
56	47033056000	RATCHET GEAR SPRING 85 SX 2003	1
59	47033059000	SPRING SPACER 85 SX 2003	1
68	0760142460	SHAFT SEAL RING 14X24X6 B	1
70	47033070000	KICKSTARTER CPL. 85 SX 2003	1
75	0015060163	HH COLLAR SCREW M 6X16 WS=8	1
76	0015050253	HH COLLAR SCREW M 5X25 WS=8	1

084703390 / C084703390

* NEW PART

X AS REQUIRED

TRANSMISSION I - MAIN SHAFT

105 SX 2009

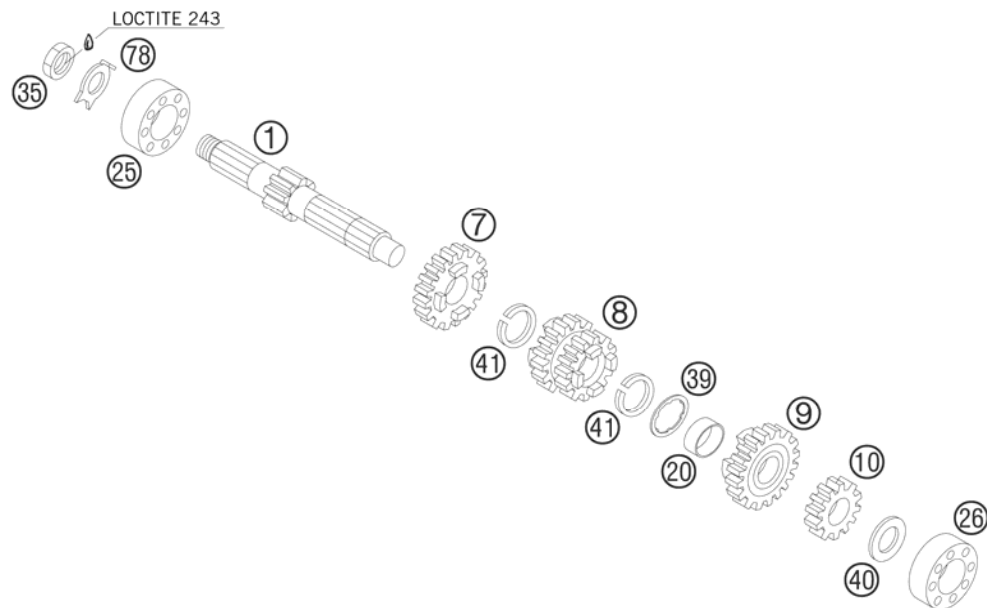


FIG	PART NUMBER	DESCRIPTION	QTY
1	47033001000	MAIN SHAFT 11-T 85 SX 2003	1
7	47033007000	IDLER GEAR 5TH G. 21-T 03	1
8	47033008000	SLID. GEAR 3RD/4TH G. 16/19-T	1
9	47033009100	IDLER GEAR 6TH G. 20-T 05	1
10	47033010000	SOLID GEAR 2ND G. 14-T 03	1
20	47033020000	IDLER GEAR BUSHING 05	1
25	46033028000	GROOVED BALL BEARING 20X42X12	1
26	47033026000	BALL BEARING 16X35X8	1
35	46030029000	HH NUT 14X1,25X7 WS=22	1
39	47033039000	STOP DISK 05	1
40	47033041000	STOP DISC 16X26X1	1
41	47033096000	AXIAL CIRCLIP 19 SW	2
78	46030078000	LOCKING PLATE D=14MM	1

084703330 / C094703330

* NEW PART

X AS REQUIRED

TRANSMISSION II - COUNTERSHAFT

105 SX 2009

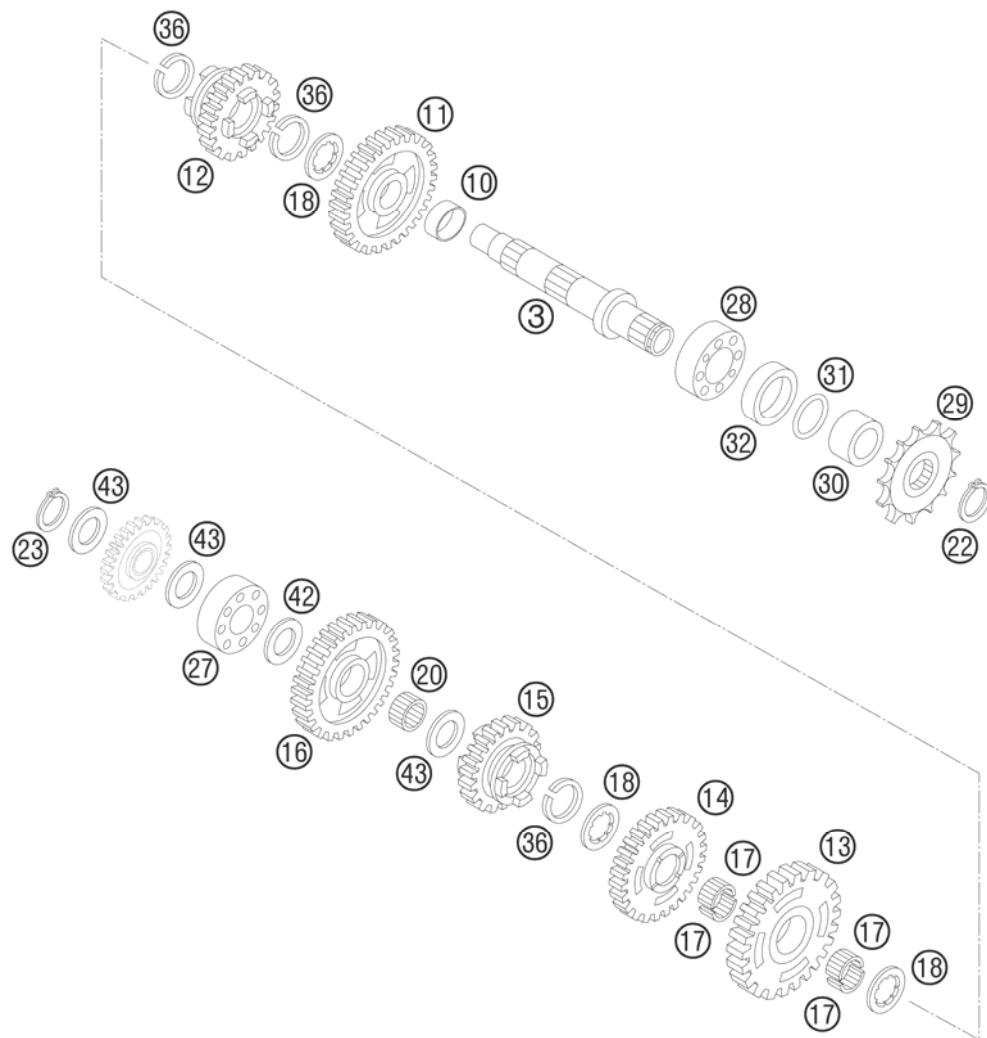


FIG	PART NUMBER	DESCRIPTION	QTY
3	47033003100	COUNTERSHAFT	1
10	47033021000	IDLER GEAR BUSHING	1
11*	47033011200	IDLER GEAR 2ND G. 28-T	1
12	47033012100	SLIDING GEAR 6TH G. 21-T	1
13*	47033013200	IDLER GEAR 3RD G.	1
14*	47033014200	IDLER GEAR 4TH G.	1
15	47033015100	SLIDING GEAR 5TH G. 25-T	1
16	47033016000	IDLER GEAR 1ST G. 29-T	1
17	47033098000	NEEDLE BEARING HALF	4
18	47033095000	SHIM	3
20	47033099000	NEEDLE BEARING K15X19X10S	1
22	49033091000	CIRCLIP AS20X1,75	1
23	0471150010	CIRCLIP DIN0471-15X1	1
27	0625160026	BALL BEARING 16002	1
28	0625062041	BALL BEARING 6204 JR2 C4	1
29	47033029013	ENGINE SPROCKET 13-T 85 SX	x
29	47033029014	ENGINE SPROCKET 14-T 85 SX	1
30	47033030000	SPACER FOR SPROCKET	1
31	46033031000	O-RING 18,77X1,78	1
32	0760263560	SHAFT SEAL RING 26X35X6	1
36	0417210120	CIRCLIP SW21	3
42	47033040000	STOP DISC 15X25X1	1
43	47033043000	STOP DISC 15X25X0,5	3

084703360 / C094703360

* NEW PART

X AS REQUIRED

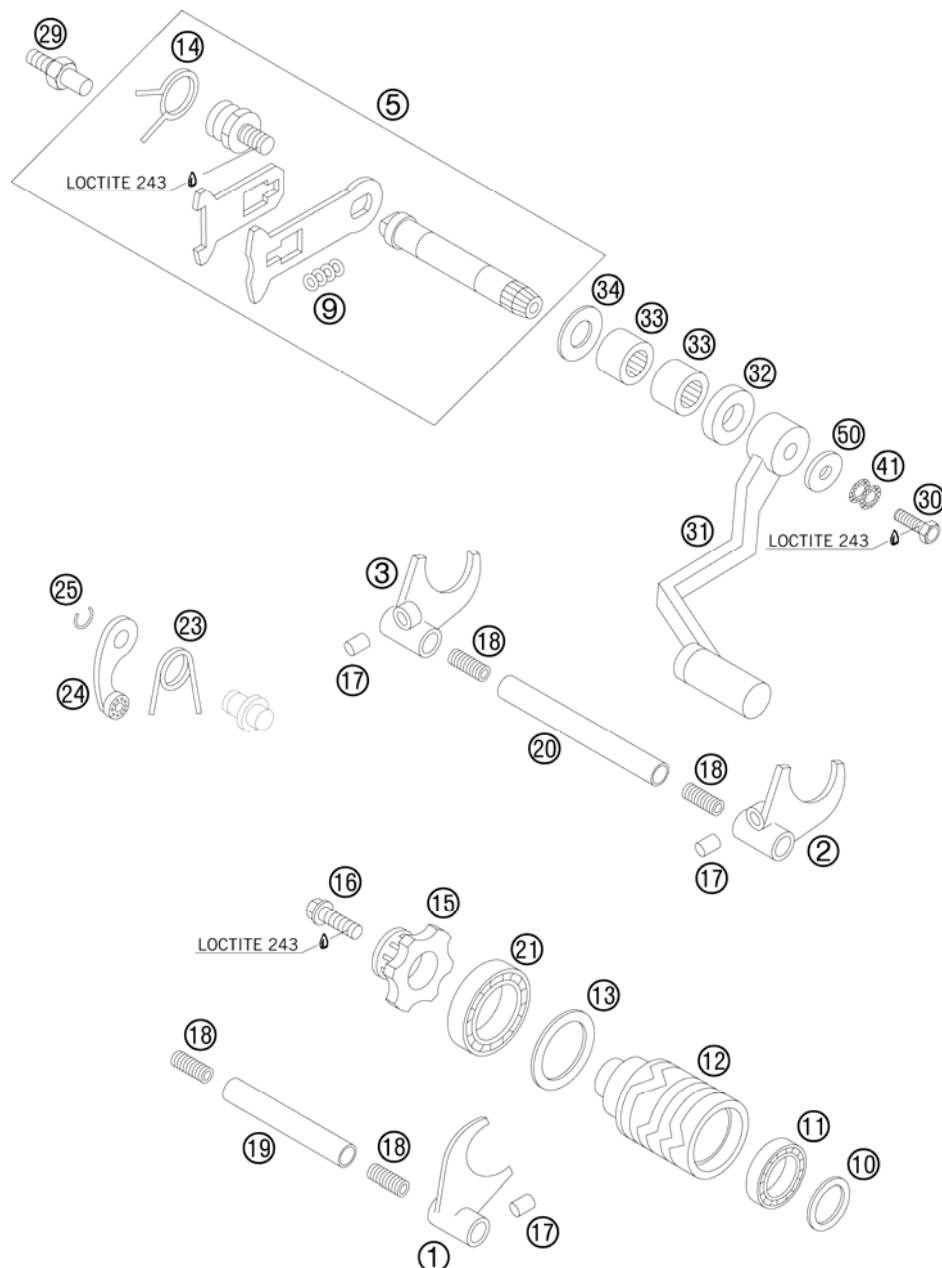


FIG	PART NUMBER	DESCRIPTION	QTY
1	47034001000	SHIFT FORK 5TH/6TH GEAR 2003	1
2	47034002000	SHIFT FORK 2ND/3RD GEAR 2003	1
3	47034003000	SHIFT FORK 1ST/4TH GEAR 2003	1
5	47034005044	SHIFTING SHAFT CPL. 85 SX 2003	1
9	46034009000	PRESSURE SPRING SLIDER PLATE	1
10	47034091000	WASHER 15X20X0,5	1
11	0625069020	BALL BEARING 6902 15X28X7	1
12	47034012000	SHIFT ROLLER 85 SX 2003	1
13	47034092000	WASHER 25X32X0,5	1
14	46034014000	RETURN SPRING	1
15	47034015000	SHIFT LOCATION DRUM 85 SX 2003	1
16	0015060253	HH COLLAR SCREW M 6X25 WS=8	1
17	0402061200	NEEDLE ROLLER DIN5402 NRB 6X12	3
18	46034019052	SPRING SHIFT RAIL 2001	4
19	47034019000	SHIFTING RAIL 85 SX 2003	1
20	46034020100	SHIFT RAIL 2001	1
21	0625618050	BALL BEARING 61805 C3	1
23	46034023100	LOCKING LEVER SPRING 2001	1
24	46034024100	LOCKING LEVER CPL. 65 SX 2002	1
25	0471100010	CIRCLIP DIN0471-10X1	1
29	47034029000	ARRESTER FOR SPRING 2003	1
30	0933060205	HH SCREW DIN933 M6x20 10.9	1
31	47034031000	SHIFT LEVER 85 SX 2003	1
32	0760142460	SHAFT SEAL RING 14X24X6 B	1
33	54632095000	NEEDLE BEAR.HK 1412 14X20X12	2
34	47033043000	STOP DISC 15X25X0,5	1
41	50233041000	PAIR OF WASHERS M 6 NORDLOCK	1
50	50232050001	STEEL WASHER 6,4X17X3	1

084703410 / C084703410

* NEW PART

X AS REQUIRED

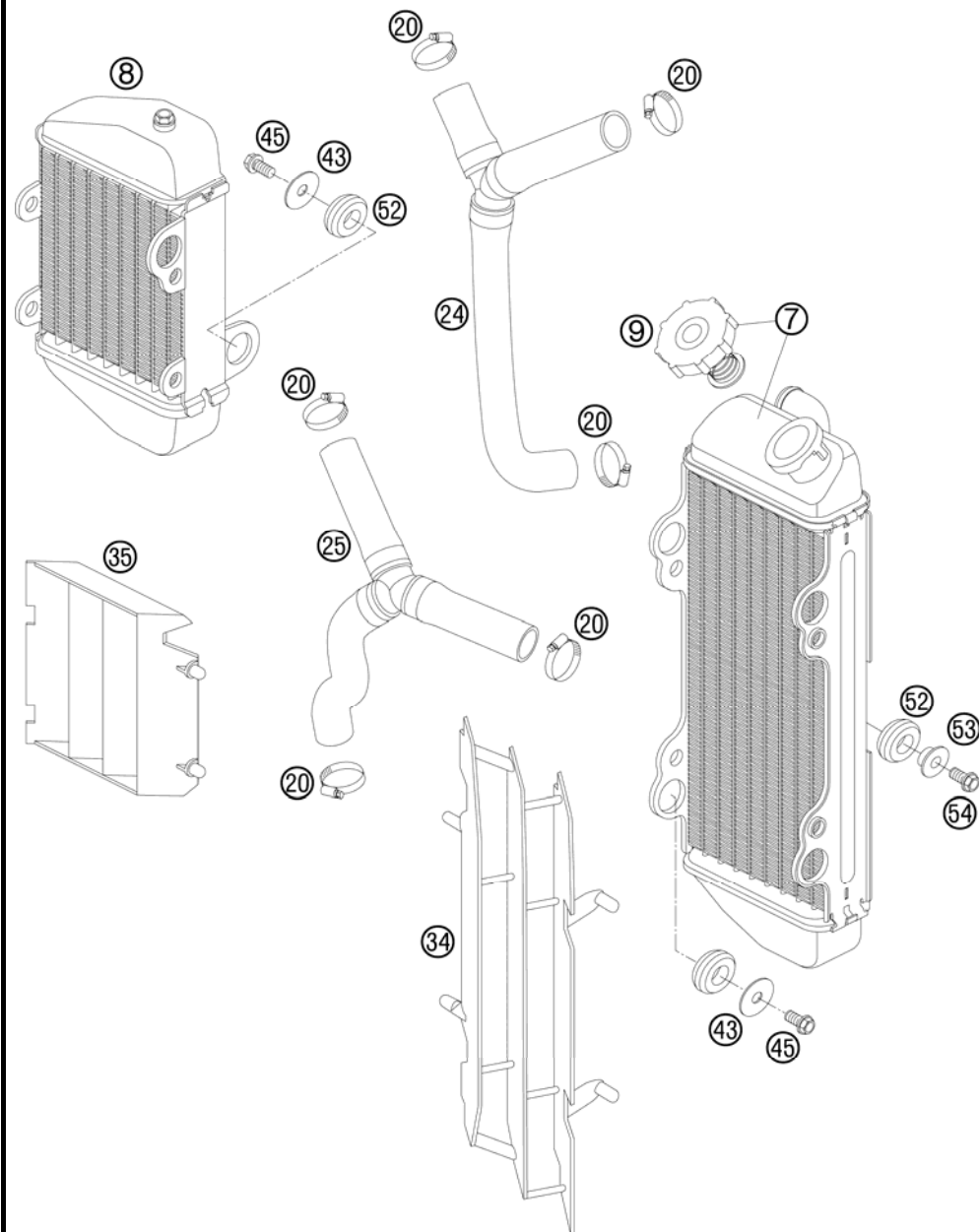


FIG	PART NUMBER	DESCRIPTION	QTY
7	47035007100	RADIATOR L/S 85 SX 2005	1
8	47035008000	RADIATOR R/S 85 SX 2003	1
9	59035009000	RADIAT.CAP 20,3PSI (1,4BAR) 03	1
20	10001020000	HOSE CLAMP GEMI 16-27	6
24	47035024000	RADIATOR HOSE TOP 85 SX 2003	1
25	47035025000	RADIATOR HOSE BOTTOM 85 SX 03	1
34	5463503420030	RADIATOR PROTECTOR L. BLACK	1
35	4703503500030	RADIATOR PROTECTOR R. BLACK	1
43	0021060003	WASHER DIN9021-A 6,4	5
45	0015060123	HH COLLAR SCREW M 6X12 WS=8	5
52	41001052000	RUBBER SLEEVE D=12MM	8
53	50308053000	BUSH FOR SPOILER 6X11X16X7,5	1
54	0015060163	HH COLLAR SCREW M 6X16 WS=8	1

084703530 / C084703530

* NEW PART

X AS REQUIRED



FIG	PART NUMBER	DESCRIPTION	QTY
7	54637070200	CLOSING COVER 2003	1
8	0770020200	O-RING 21,95X1,78 NBR	1
10	47037010000	CLOSING COVER 85 SX 2003	1
11	0770120020	O-RING 12,00X2,00 NBR 70	1
12	54632090000	SEAL RING DH/GR 12X16X3	1
20	47537020000	CONTROL FLAP 105 SX 2004	1
23	47037023000	BEARING SLEEVE 85 SX 2003	2
25	0912050063	AH SCREW DIN 912 M 5X6	1
26	0912050163	AH SCREW DIN0912-M 5X16	1
28	0015050123	HH COLLAR SCREW M 5X12 WS=8	1
29	0015050203	HH COLLAR SCREW M 5X20 WS=8	2
30	0349000050	WASHER DIN7349-5X15X2	1
36	47037036000	DRIVER SHEET 85 SX 2003	1
45	0471100010	CIRCLIP DIN0471-10X1	1
46	0625006087	GROOVED BALL BEAR. 608 2RS C3	2
48	0760082472	SHAFT SEAL RING 8X24X7 A DUO	1
49	54334015000	WASHER 10X14X0,5 STEEL	1
50	47037050044	CENTRIFUGAL TIMER CPL. 03	1
52	47035054026	WATER PUMP GEAR 2003	1
53	47035058000	PIN 2X22	1
54	47035054000	WATER PUMP SHAFT 85 SX 2003	1
55	47035055000	WATER PUMP WHEEL 85 SX 2003	1
57	0603040801	COPPER GASKET DIN7603- A4X8X1	1
58	47037058000	LOCK SCREW CONTROL SHAFT 03	1
59	47037057100	CONTROL SHAFT 85 SX 06	1
61	47035061000	SCREW M6X8	1
64	56509064100	SELF LOCKING NUT M6 10.9	1
65	47037065000	CONTROL LEVER 85 SX 2003	1
66	54637066000	OVERLOAD SPRING	1
67	47037067000	SPRING SLEEVE 85 SX 2003	1
68	47037068000	BEARING SLEEVE 85 SX 2003	1
75	0007050180	CYLINDER PIN DIN 7-5X18(M6)	1
85	47037085000	STOP SHEET 85 SX 2003	1
92	47037092000	GASKET RUBBER TOP 85 SX	1
93	47037093000	GASKET RUBBER BOTTOM 85 SX	1
95	47037095044	CONNECT. ROD CPL. 85 SX 03	1

084703710 / C084753710

* NEW PART

X AS REQUIRED

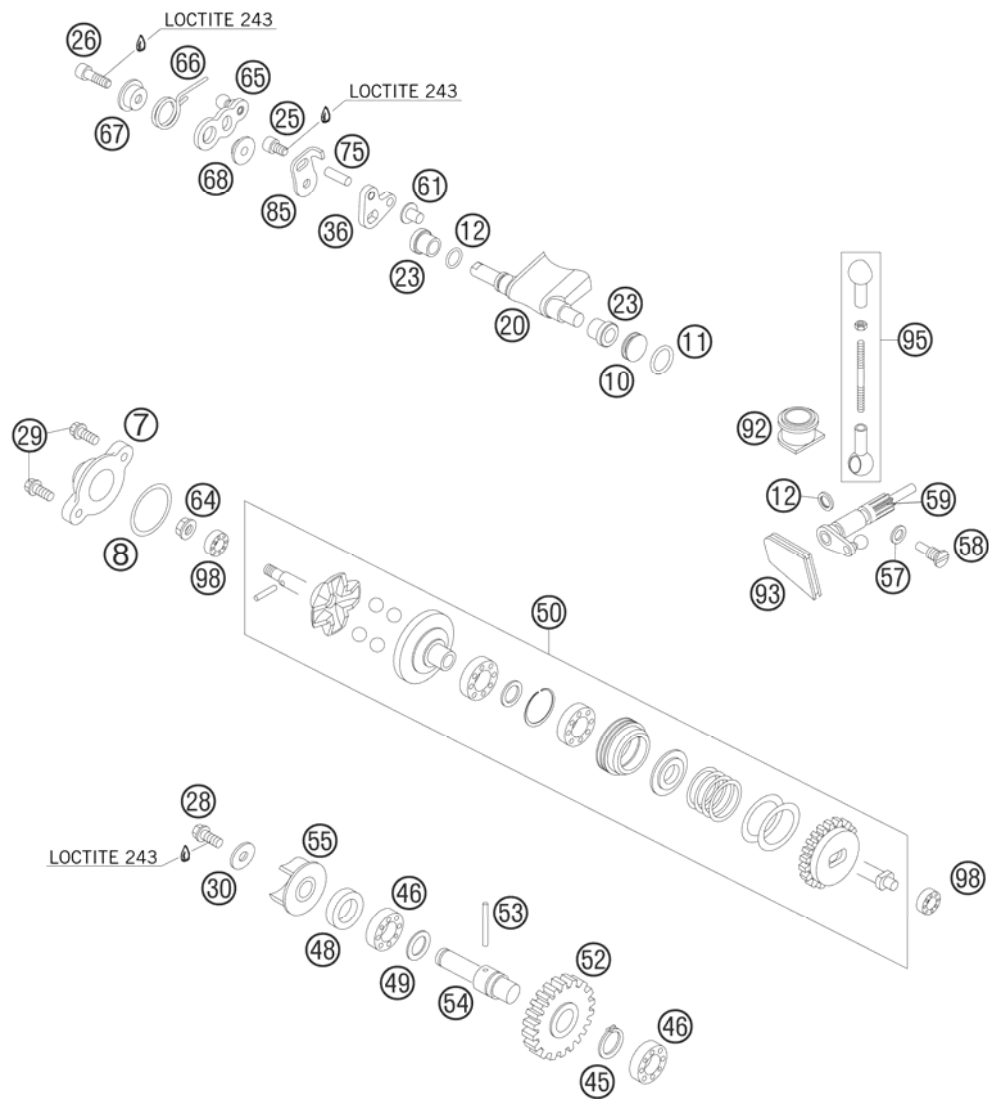


FIG	PART NUMBER	DESCRIPTION	QTY
98	54637098100	BALL BEARING 626LLBC3/5K	2

084703710 / C084753710

* NEW PART

X AS REQUIRED



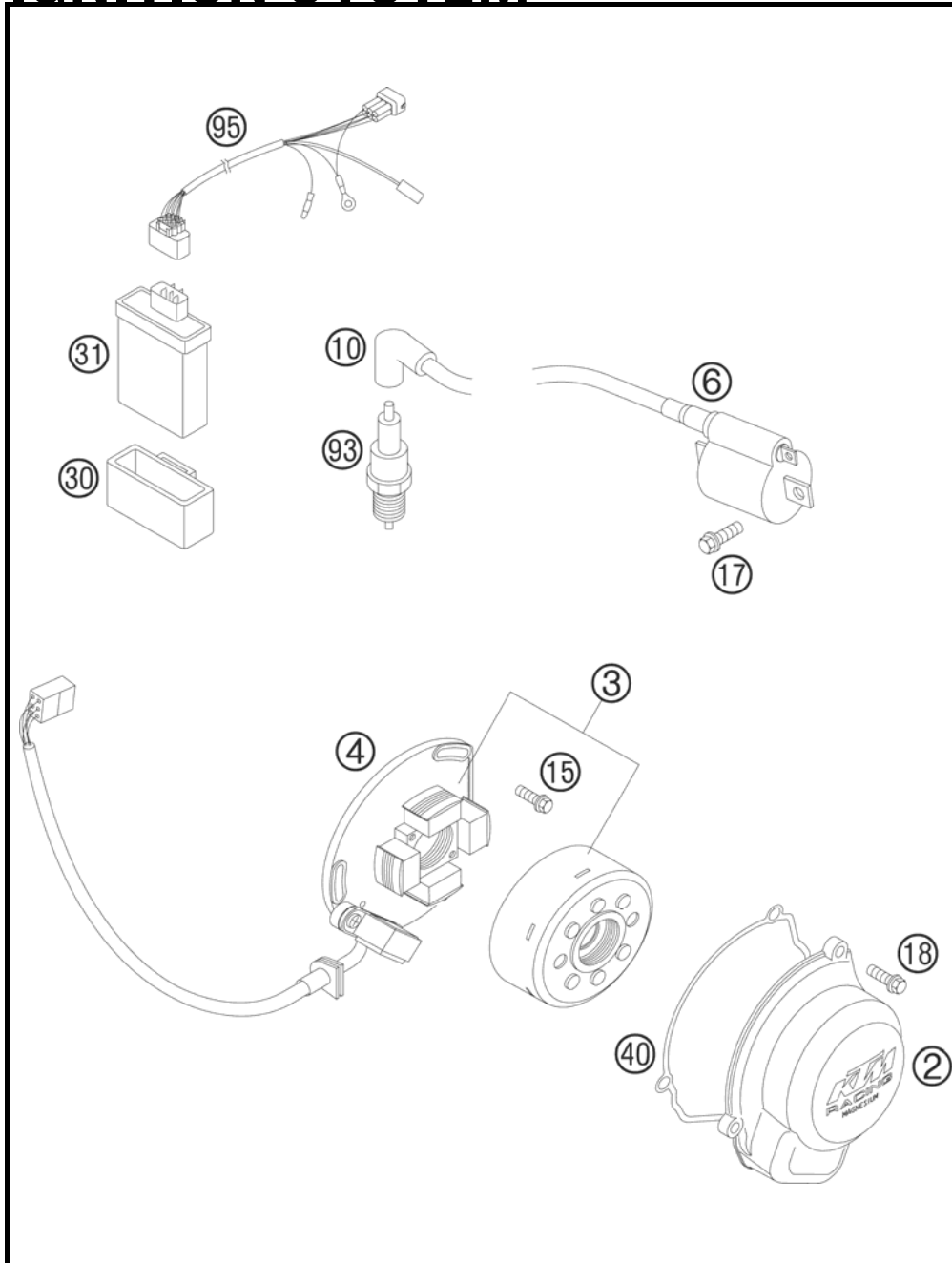


FIG	PART NUMBER	DESCRIPTION	QTY
2	47030002000	IGNITION COVER 85 SX 2003	1
3	46139002100	IGNITION CPL. 65 SX 2003	1
4	46139004000	STATOR 65/85 SX 2003	1
6	46139006100	IGNITION COIL CPL. 65 SX 2003	1
10	47039090000	SPARK PLUG CAP NGK REINFORC.04	1
15	0015050163	HH COLLAR SCREW M 5X16 WS=8	3
17	0015060163	HH COLLAR SCREW M 6X16 WS=8	2
18	0015060203	HH COLLAR SCREW M 6X20 WS=8	3
30	46139030000	RUBBER BR. DIGI.BOX 65SX 2003	1
31	47039031000	CDI UNIT 85 SX 2003	1
40	47030040000	IGNITION COVER GASKET 85 SX 03	1
93	51539093000	SPARK PLUG BR9ECMVX	1
95	46139095000	WIRING HARNESS 65 SX 2003	1

084703910 / C084703910

* NEW PART

X AS REQUIRED



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