

450 RALLY 2011

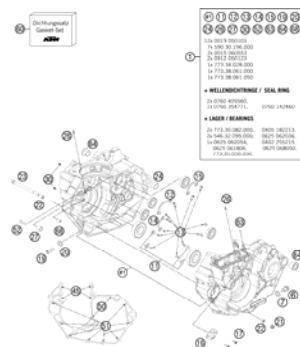
SPARE PARTS MANUAL: ENGINE

ART.NO.: 3CM089280KEN

ENGLISH



ENGINE CASE



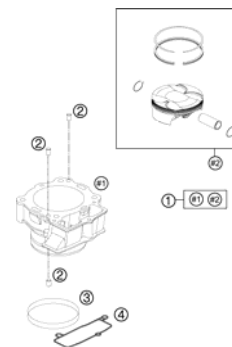
3

CLUTCH COVER



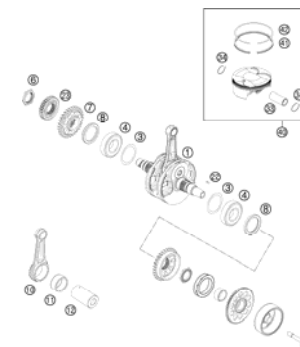
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CYLINDER



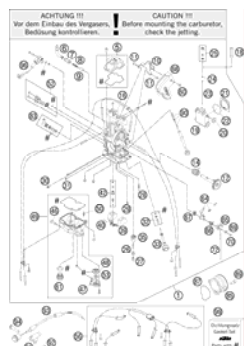
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CRANKSHAFT, PISTON



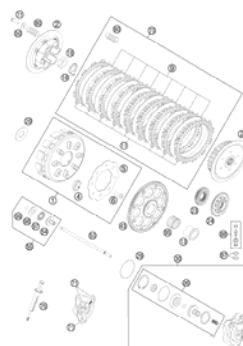
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CARBURETOR



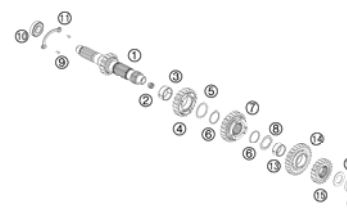
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CLUTCH



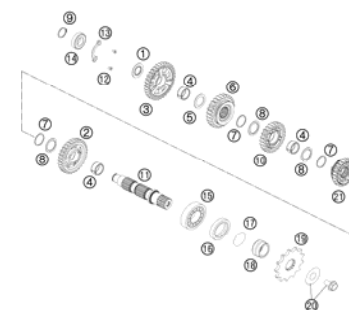
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TRANSMISSION I - MAIN SHAFT



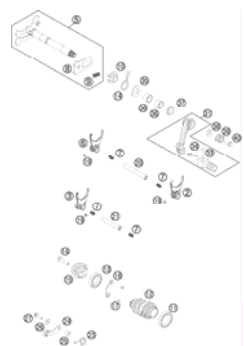
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TRANSMISSION II - COUNTERSHAFT



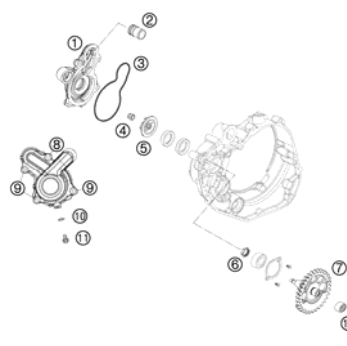
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SHIFTING MECHANISM



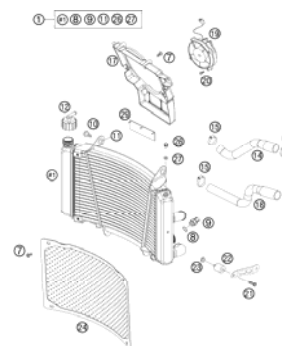
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WATER PUMP



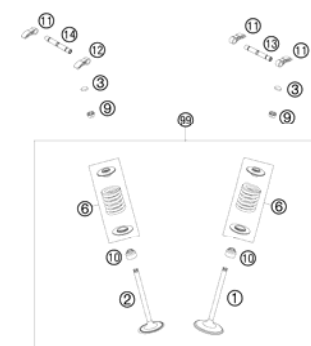
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COOLING SYSTEM

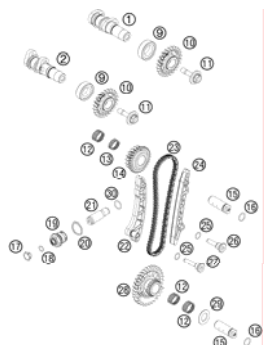
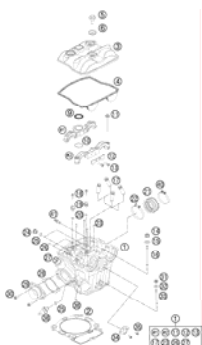
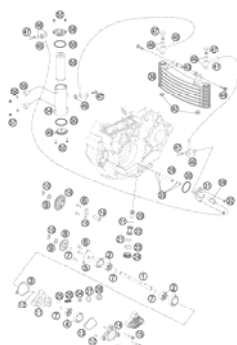
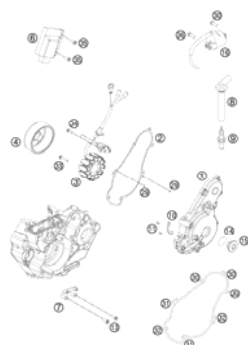
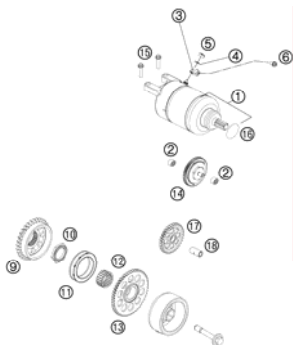


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VALVE DRIVE



16

TIMING DRIVE  17	CYLINDER HEAD  18	LUBRICATING SYSTEM  20	IGNITION SYSTEM  22
ELECTRIC STARTER  23			
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#1 11 12 13 14 15 19 20
24 26 27 30 52 63 64 68

12x 0019 050103
7x 590.30.196.000
2x 0015 060553
2x 0912 050123
1x 773.34.028.000
1x 773.38.061.000
1x 773.38.061.050

+ WELLENDICHRINGE / SEAL RING

2x 0760 405560,
1x 0760 354771, 0760 142460

+ LAGER / BEARINGS

2x 773.30.082.000, 0405 182213,
2x 546.32.095.000, 0625 062036,
1x 0625 062054, 0402 255215,
0625 061806, 0625 068050,
773.35.050.050.

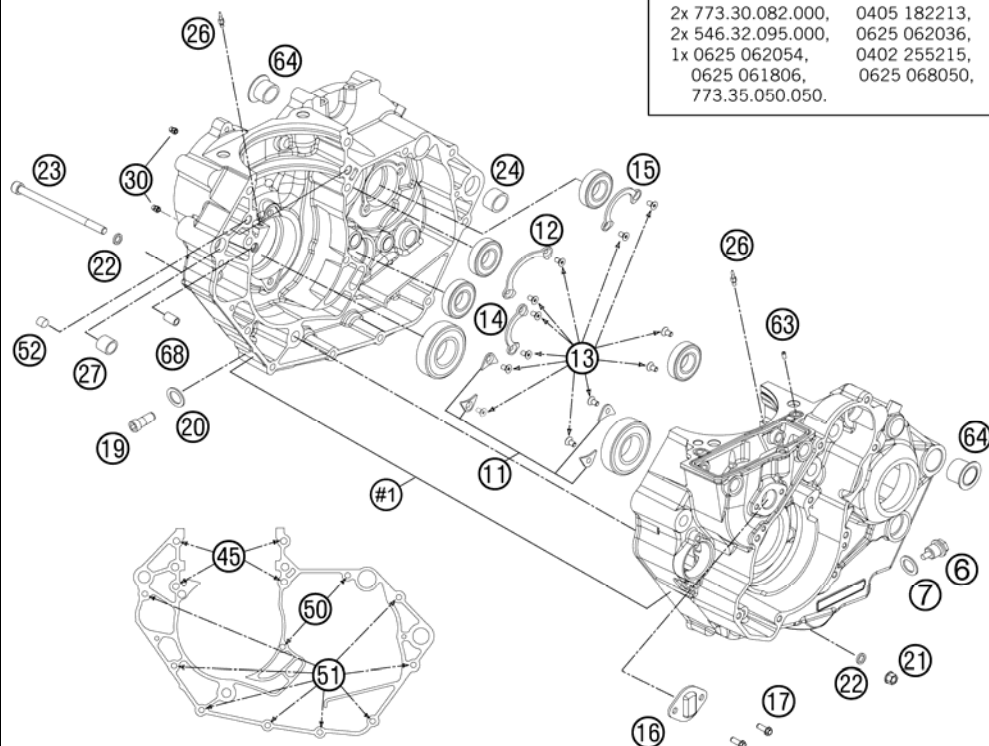


FIG	PART NUMBER	DESCRIPTION	QTY
1	76330000044	ENGINE CASE CPL. W.TR.BEAR. 11	1
6	58030021000	OILDRAIN PLUG W.MAG. M 12X1,5	1
7	58038022000	CU-SEAL RING DIN7603-12X18X1,5	1
11	77330085000	BUSHING RETAINING PLATE	4
12	77333022100	BUSHING RETAINING PLATE	1
13	0019050103	INT. TORX FLAT HEAD M 5X10 8.8	12
14	77334090000	BUSHING RETAINING PLATE	1
15	77333024100	BUSHING RETAINING PLATE	1
16	SXS07450245	SXS FACTORY RETAINING PLATE	1
17	0025050106	COLLAR SCREW M5X12 ISA30	2
19	0012080203	AH SCREW DIN6912-M 8X20	1
20	0603082121	SEAL RING CU DIN7603- 8X12X1	1
21	54630044000	COLLAR NUT M10 WS=13	1
22	50233041100	PAIR OF WASHERS M10 NORDLOCK	2
23	77203014000	ENGINE BRAC.SCR. M10X115	1
24	59030024000	DOWEL 17 X 19 X 12	1
26	60030064070	OIL JET 70 M6X0,75 WS8 03	2
27	54630027000	DOWEL BUSHING 13,8X11X12	1
30	59030058000	JET 100 BING(44-031/180) M4	2
45	77330067170	SCREW M7-1,0X70	4
50	0025060706	HH COLLAR SCREW M6X70 TX30	2
51	0025060556	HH COLLAR SCREW M6X55 TX30	8
52	0402080120	CYLINDER ROLLER ZRO. 8,0X12 M4	2
60	77330099000	GASKET SET 450/505 SX-F	1
63	77338029052	THROTTLE M5X10X1	1
64	76330010000	CASE BUSH	2
68	59030023000	DOWEL 6X8X11,5	1

117633010 / C117633010

* NEW PART

X AS REQUIRED

CLUTCH COVER

450 RALLY 2011

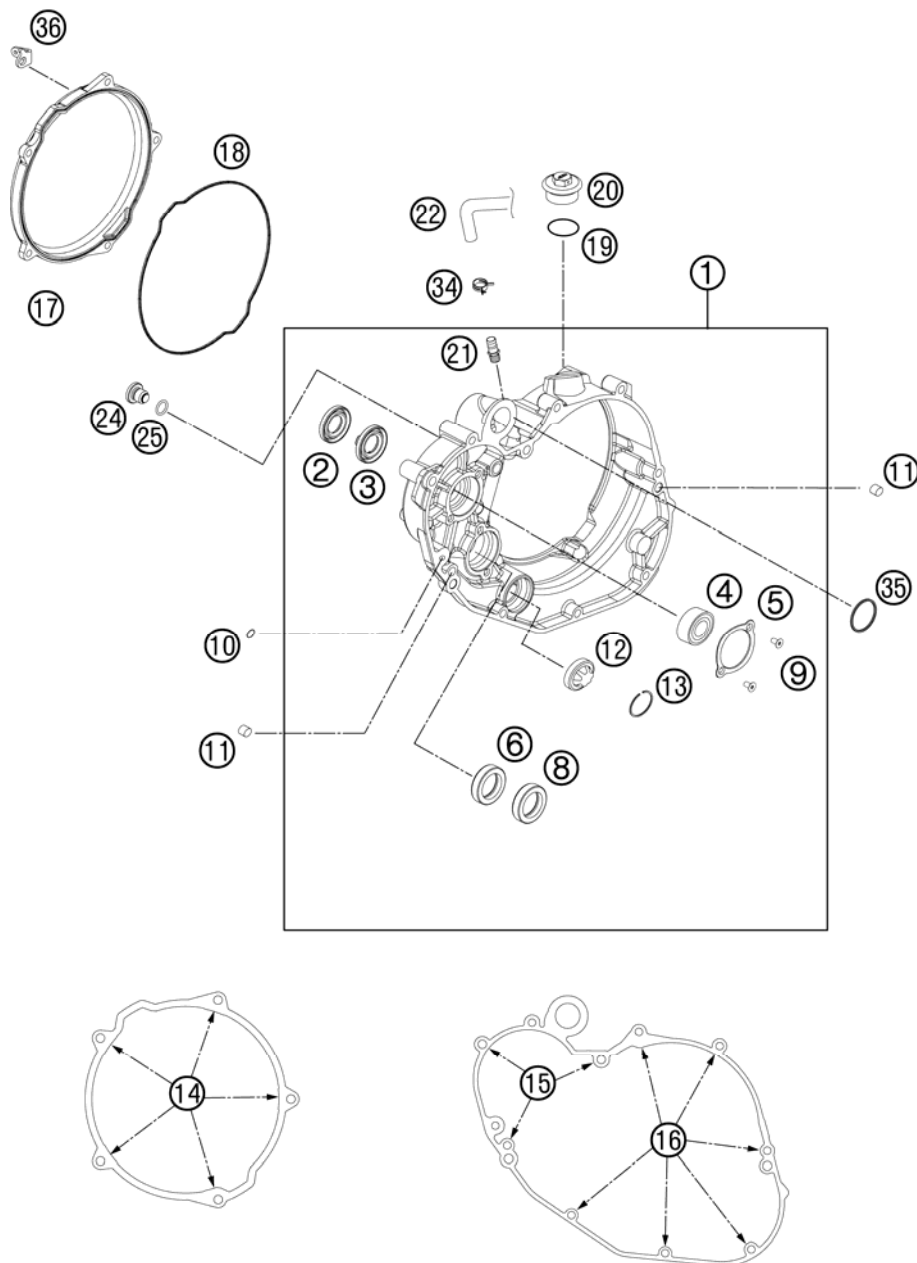


FIG	PART NUMBER	DESCRIPTION	QTY
1	7733000124415	CLUTCH COVER CPL.	1
2	77335057000	SHAFT SEAL RING 12x24x4	1
3	77335056000	SHAFT SEAL RING 12x24x4/5,5	1
4	0625062021	BALL BEARING 6202 C0 2RSH	1
5	77335064100	RETAINING PLATE FOR WAPUSTOCK	1
6	0760203071	SHAFT SEAL RING 20X30X7	1
8	0760253574	SHAFT SEAL RING 12x35x7 BSL VI	1
9	0019050103	INT. TORX FLAT HEAD M 5X10 8.8	2
10	0770080015	O-RING 8,00X1,5 NBR 70	1
11	0402080120	CYLINDER ROLLER ZRO. 8,0X12 M4	2
12	59030019100	OIL LEVEL GLASS	1
13	61030019050	CIRCLIP OIL LEVEL GLASS 03	1
14	0025060206	HH COLLAR SCREW M6X20 TX30	5
15	77330067145	SCREW M7-1,0X45	3
16	0025060306	HH COLLAR SCREW M6X30 TX30	6
17	SXS09450235	CLUTCH COVER	1
18	77330027000	CLUTCH CASE GASKET	1
19	0770191015	O-RING 19,00X3,00 NBR	1
20	SXS05450200	SXS OIL PLUG	1
21	59030022100	BLEEDER FLANGE M12X1,5 WS=13	1
22	77330086100	ENGINE BREATHER TUBE	1
24	77336056095	SCREW PLUG	1
25	0770090015	O-RING 9X1,5 NBR	1
34	58431082100	YDNAC-CLAMP 10173 (16MM) '98	1
35	77335005000	QUAD-RING 28,3X1,78 VITON	1
36	77303026054	SPRING BRACKET	1

117633020 / C117633020

* NEW PART

X AS REQUIRED

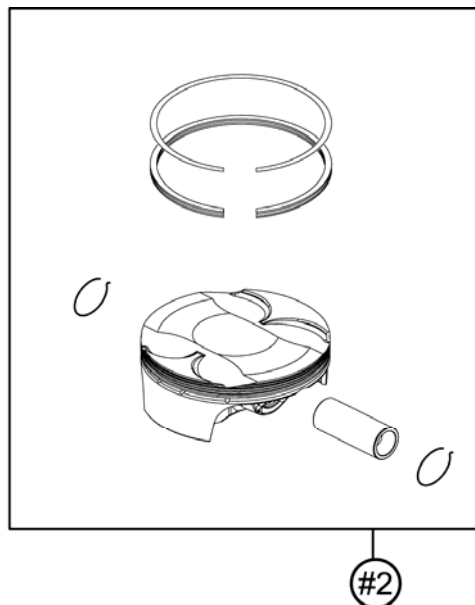
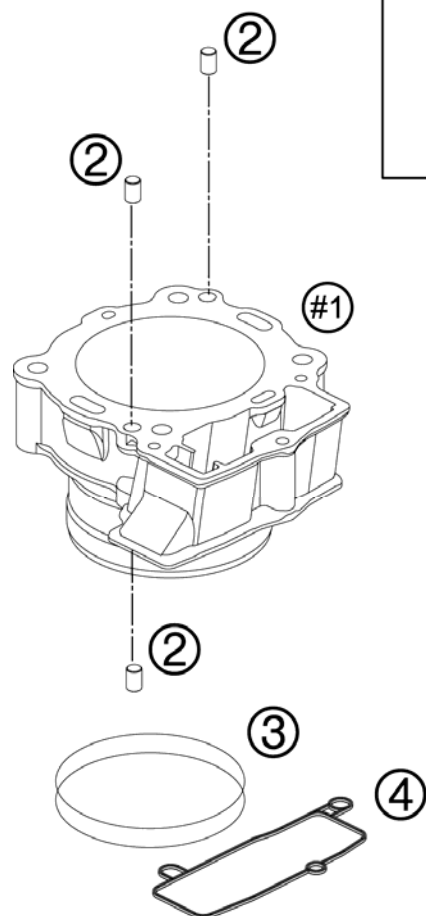


FIG	PART NUMBER	DESCRIPTION	QTY
1	76330038000	CYLINDER + PISTON CPL.	1
2	0402080120	CYLINDER ROLLER ZRO. 8,0X12 M4	3
3	0770108018	O-RING 107,67x1,78 VITON	2
4	77330035000	GASKET GEAR CASE	1

117633040 / C117633040

* NEW PART

X AS REQUIRED

CRANKSHAFT, PISTON

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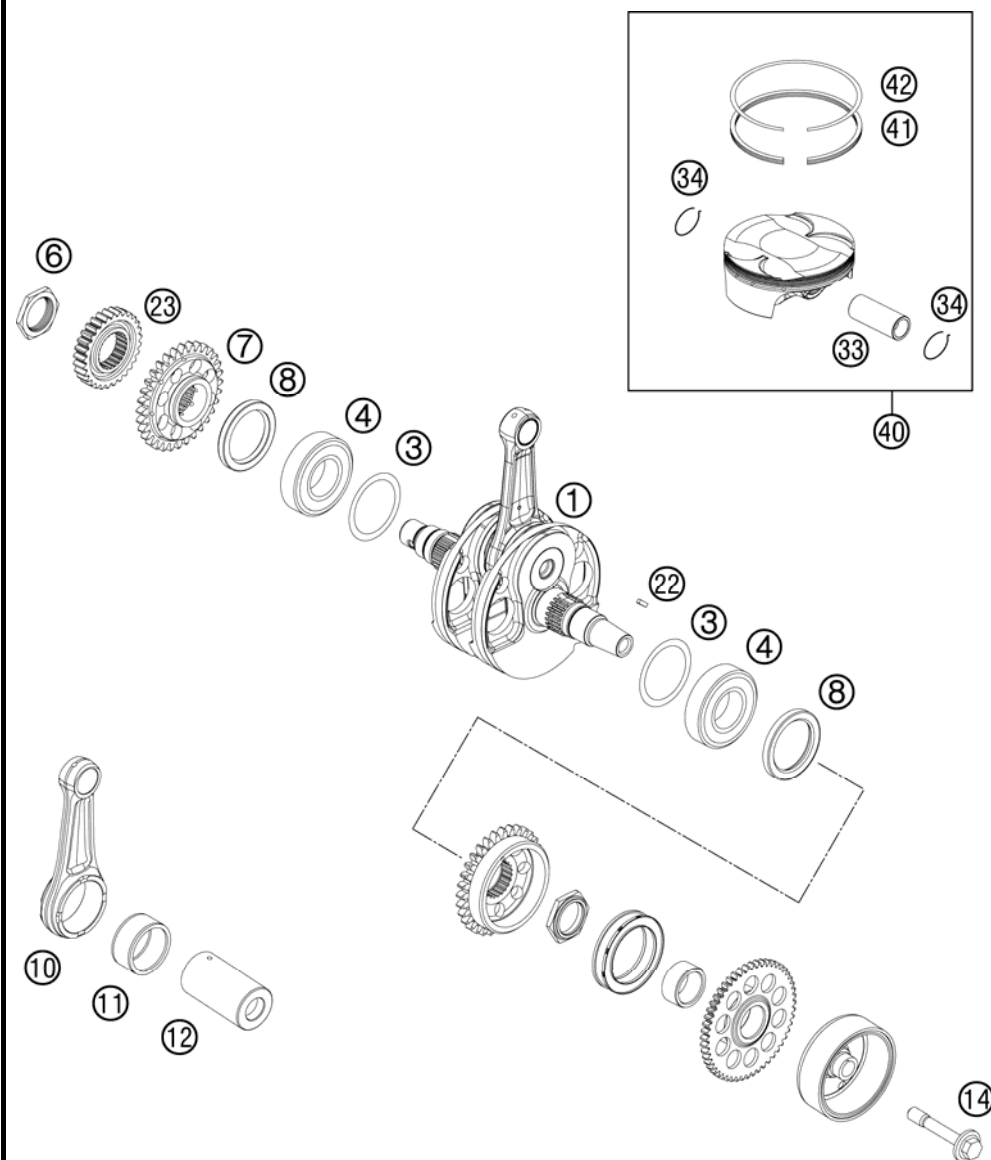


FIG	PART NUMBER	DESCRIPTION	QTY
1	77330018000M02	CRANKSHAFT CPL.	1
3	0988304201	THRUST WASHER 30X42X0,1	x
3	0988304202	THRUST WASHER 30X42X0,2	x
3	0988304203	THRUST WASHER 30X42X0,3	x
4	77330082000	CYL. ROLLER BEARING NJ206 ECP	2
6	77330029000	COLLAR NUT M27X1	1
7	77330055110	DRIVE WHEEL AGZR KS Z=32	1
8	0760405560	SHAFT SEAL RING A40x55x6 VITON	2
10	77330013000M05	CONNECTING ROD	x
11	H21015201	CONNECTING ROD BEARING 01-	x
12	SXS08450023	CRANKPIN	x
14	77339010100	FLYWHEEL SCREW	1
22	0888030037	WOODRUFF KEY DIN6888-3X3,7	1
23	77332023129	PRIMARY GEAR	1
33	78030033000	PISTON PIN 08	1
34	77330074000	CIRCLIP	1
40	76330007000 I	PISTON D=97	1
40	76330007000 II	PISTON D=97	1
41	77330032200	SCRAPER RING 450	1
42	77330030100	COMPRESSIONRING D=97 2007	1

117633060 / C117633060

* NEW PART

X AS REQUIRED

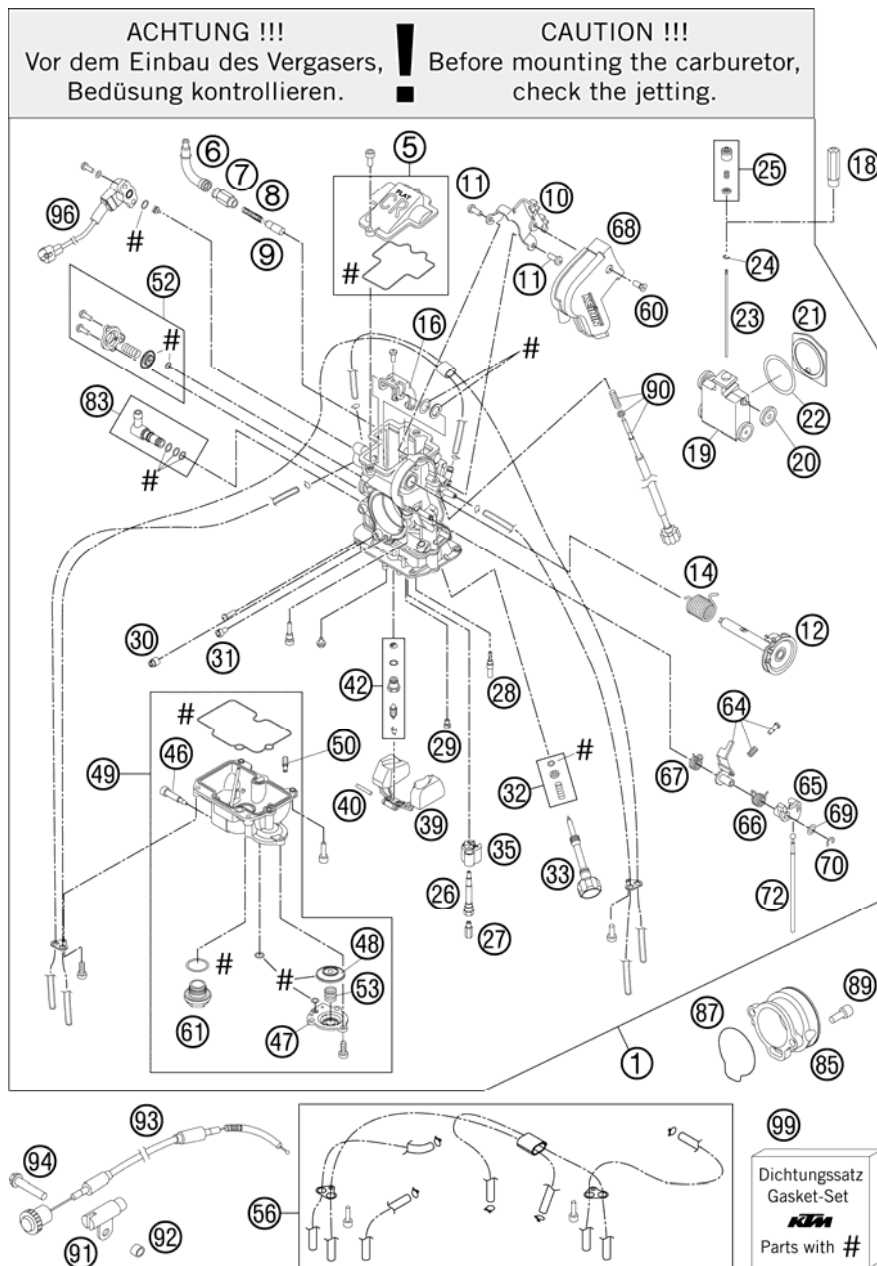


FIG	PART NUMBER	DESCRIPTION	QTY
1	76331001000	CARBURETOR	1
5	57331027044	CARBURETOR COVER WITH GASKET	1
6	76302075000	SLEEVE	1
7	57331075050	MILLED PART FOR CHOCK	1
8	58502096003	CONNECTION CHOKE-CABLE SPRING	1
9	58502096002	CONNECTION CHOKE-CABLE PISTON	1
10	57331080000	BRACKET PLATE FOR THR. CABLE	1
11	57331055000	SCREW M 5 X 8	2
12	57331046000	THROTTLE SHAFT CPL.	1
14	57331046050	COIL SPRING THROTTLE SHAFT	1
16	57331035051	LINK ARM THROTTLE VALVE CPL.	1
18	59031029010	SLIDE STOP 03	1
19	57331035000	THROTTLE VALVE CPL.	1
20	59031035050	BUSHING THROTTLE VALVE	1
21	57331035153	GASKET PLATE THROTTLE VALVE 04	1
22	59031035052	GASKET WASHER THROTTLE VALVE	1
23	59031023200	JET NEEDLE KEIHIN OBDVT	1
23	59031034000	JET NEEDLE KEIHIN OBDTN	x
23	59031034400	JET NEEDLE KEIHIN OBDTP	x
23	59031034500	JET NEEDLE KEIHIN OBDTQ	x
23	59031034600	JET NEEDLE KEIHIN OBDTR	x
24	59031029000	BAR CLIP	1
25	57331032000	NEEDLE SET SCREW CPL.	1
26	59031121000	NEEDLE JET FCR-MX	1
27	54531623180	MAIN JET 180 KEIHIN	x
27	54531623182	MAIN JET 182 KEIHIN	x
27	54531623185	MAIN JET 185 KEIHIN	x
27	54531623188	MAIN JET 188 KEIHIN	x
27	54531623190	MAIN JET 190 KEIHIN	x
27	54531623192	MAIN JET 192 KEIHIN	x
27	54531623195	MAIN JET 195 KEIHIN	x
28	54531607042	IDLE JET 42 KEIHIN	x
28	54531607045	IDLE JET 45 KEIHIN	x
28	54531607048	IDLE JET 48 KEIHIN	1
29	59031051075	STARTER JET 75	x

117633100 / C117633100

* NEW PART

X AS REQUIRED

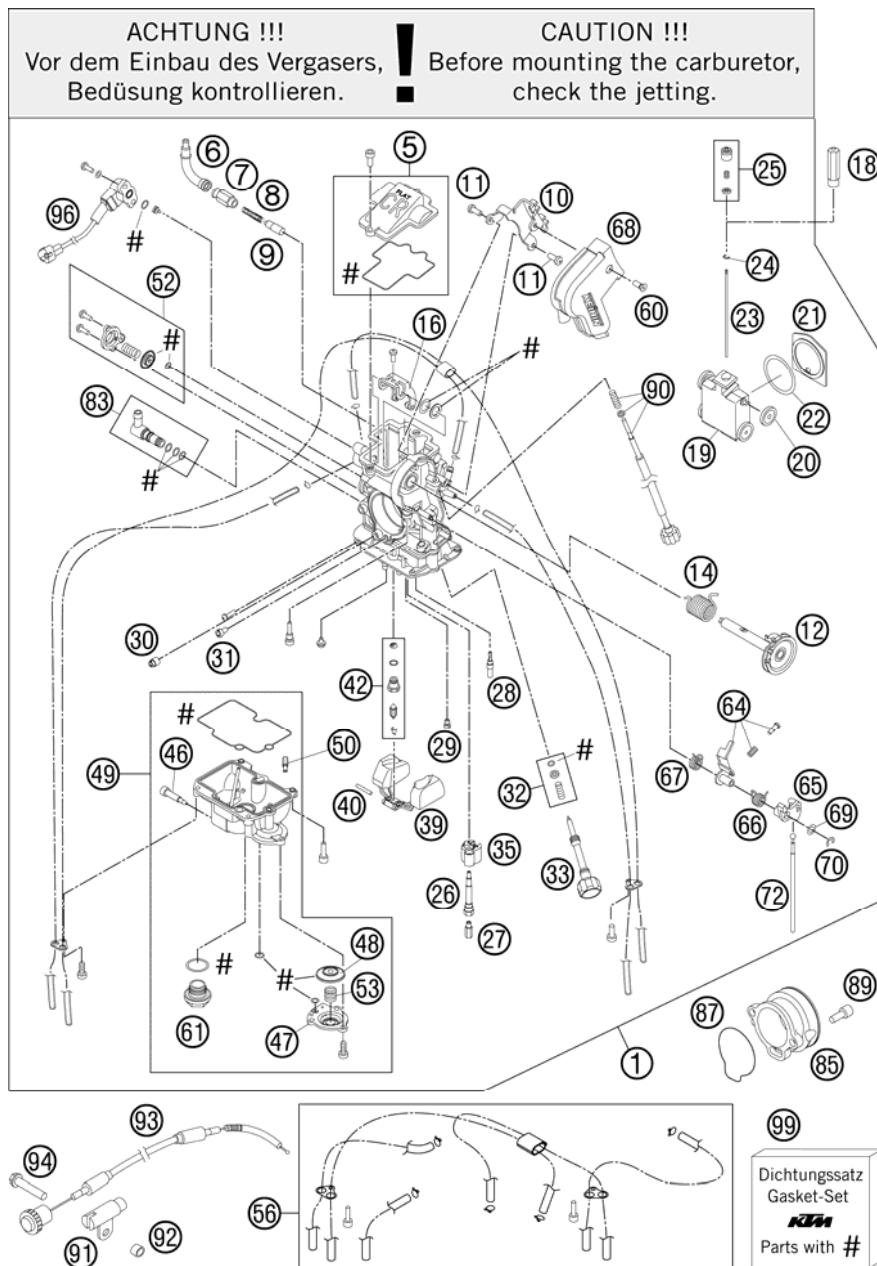


FIG	PART NUMBER	DESCRIPTION	QTY
29	59031051065	STARTER JET 65	x
29	59031051070	STARTER JET 70	x
29	59031051080	STARTER JET 80	x
29	59031051085	STARTER JET 85	1
30	57331007100	IDLE AIR JET 100 KEIHIN	1
31	57331037200	MAIN AIR JET 200 KEIHIN	1
32	59031017100	ADJUST SCREW CPL. FCR-MX	1
33	59031017300	MIXT. CONTROL SCREW FACTORY 09	1
35	57331085000	BUFFER PLATE	1
39	57331009000	FLOAT CPL.	1
40	57331008000	ARM PIN FLOAT	1
42	57331020000	NEEDLE VALVE CPL.	1
46	76231155000	DRAIN SCREW + O-RING	1
47	57331060000	COVER ACCELERATOR PUMP	1
48	57331057100	DIAPHRAGM ACCELERATOR PUMP	1
49	78031011000	FLOAT CHAMBER CPL. 08	1
50	54631085000	JET POWER JET CLOSED KEIHIN	x
50	54631085040	JET POWER JET 40 KEIHIN	x
50	54631085050	JET POWER JET 50 KEIHIN	x
50	54631085060	JET POWER JET 60 KEIHIN	x
50	54631085070	JET POWER JET 70 KEIHIN	x
52	57331090000	AIR CUT VALVE 2002	1
53	59031059000	COIL SPRING	1
56	57331098000	BREATH.HOSE FCR-MX KEIHIN CPL.	1
60	0965050103	FLAT HEAD SCREW DIN0965-M 5X10	1
61	54531699000	PLUG M 18X1	1
64	57331062000	INTERMEDIATE LEVER CPL.	1
65	57331056000	LINK LEVER	1
66	SXS08250030	SXS ACCELERATION PUMP SPRING	1
67	57331159000	SPRING INTERMEDIATE LEVER	1
68	57331038000	CARBURETOR COVER	1
69	57331087000	WASHER LINK LEVER	1
70	57331084000	E-CLIP	1
72	57331061000	ROD ACCELERATOR PUMP	1
83	59031013044	HOSE CONNECTOR CPL.	1

117633100 / C117633100

* NEW PART

X AS REQUIRED

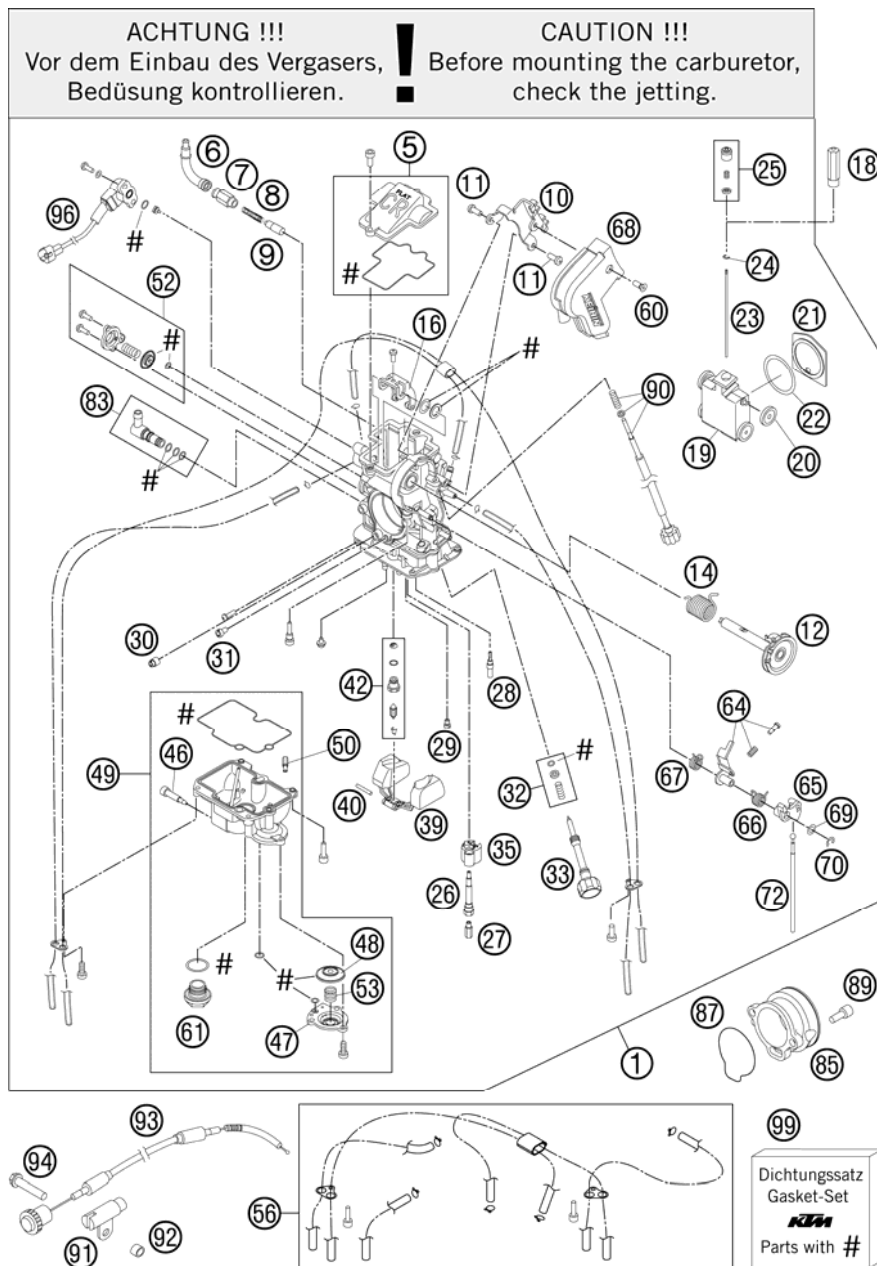


FIG	PART NUMBER	DESCRIPTION	QTY
85	76306040000	INTAKE FLANGE	1
87	59031040010	O-RING FOR INTAKE FUNNEL	1
89	0912050103	AH SCREW DIN0912-M 5X10	2
90	76231025000	STOP SCREW CPL.FCR-MX RALLY 07	1
91	58302095251	SLEEVE FOR CHOKE CABLE	1
92	50208020000	SPACER BUSHING 7X10X7,5	1
93	76202095000	CHOKE-CABLE l = 235 07	1
94	0025060406	HH COLLAR SCREW M6X40 TX30	1
96	57331077100	TPS-SENSOR FCRMX 320MM 03-04	1
99	57331099000	GASKET SET FCR-MX KEIHIN	1

117633100 / C117633100

* NEW PART

X AS REQUIRED

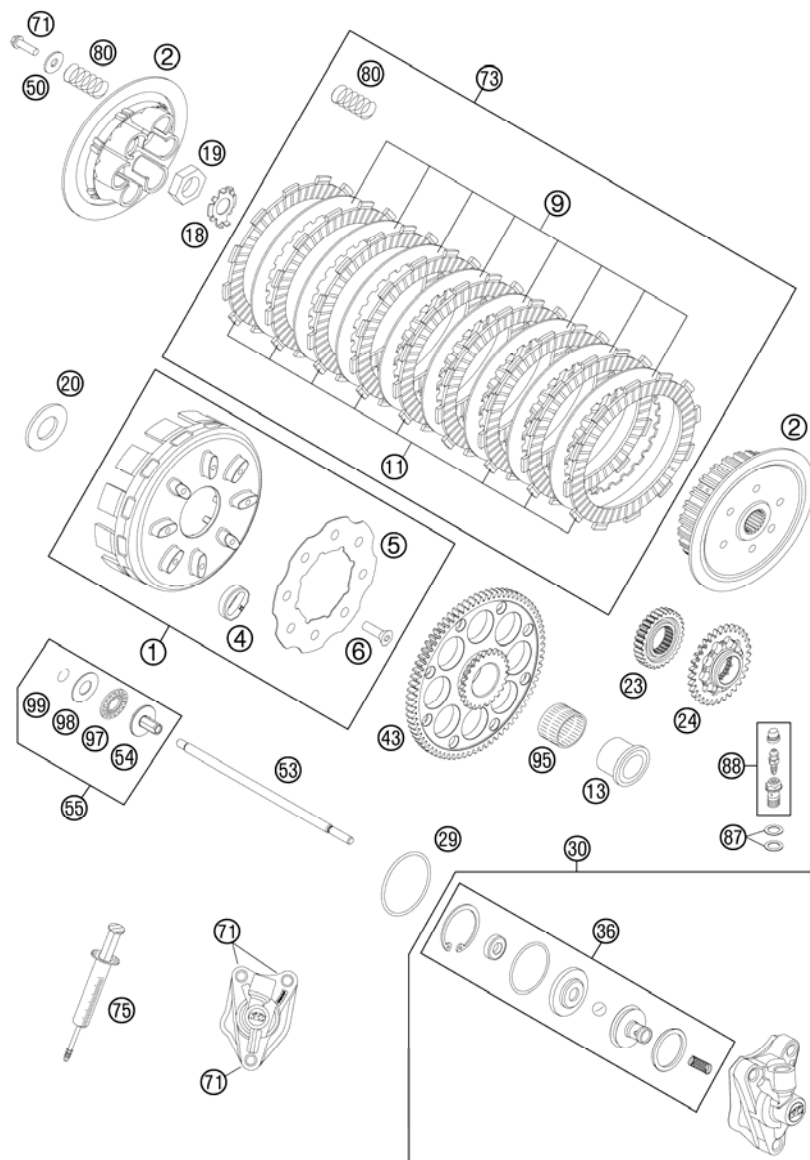


FIG	PART NUMBER	DESCRIPTION	QTY
1	SXS08450030	OUTER CLUTCH HUB MILLED HINSON	1
2	SXS09450151	INNER CLUTCH HUB + PRESSURE PL	1
4	SXS08450034	DAMPING RUBBER	8
5	SXS08450032	RETAINING PLATE 08	1
6	SXS08450033	FLAT HEAD SCREW	8
9	77332010000	INTERMEDI. DISC STEEL	8
11	77332011000	LINING DISC 2,7MM	9
13	77332015100	INNER RING	1
18	77332018000	RETAINING PLATE	1
19	0936181505	HEXAGON NUT DIN0936-M18X1,5 R.	1
20	77332017100	WASHER 21,7X38X4 07	1
23	77332023129	PRIMARY GEAR	1
24	77330055110	DRIVE WHEEL AGZR KS Z=32	1
29	0770380020	O-RING 38,00X2,00 NBR 70 SH	1
30	77332061044	OUTPUT CYLINDER CPL.	1
36	77332066000	PISTON CPL.	1
43	77332024074	* CLUTCH WHEEL T=74 07	1
50	50232050000	WASHER 6,2X18X2	6
53	77332054100	PUSH ROD 07	1
54	77332057100	PRESSURE PIECE	1
55	77332057144	PRESSURE PIECE CPL.	1
71	0025060256	HH COLLAR SCREW M6X25 TX30	9
73	77332011010	CLUTCH-KIT 450/505 SX-F 07-11	1
75	50329050000	VENT INJEKTION HYDR. CLUTCH	1
80	77332005000	CLUTCH SPRING	6
87	42013226000	CU-SEAL RING DIN7603-10X16X1	2
88	62513020000	BLEEDER SCREW CPL. 05	1
95	56532095000	NEEDLE BEARING K26X30X22ZW.KSE	1
97	54637097200	AXIAL NEEDLE BEARING AXK 1226	1
98	54637098200	AXIAL WASHER AS1226 12X26X1	1
99	0993012000	CIRCLIP DIN7993-RW12	1

117633210 / C117633210

* NEW PART

X AS REQUIRED

TRANSMISSION I - MAIN SHAFT

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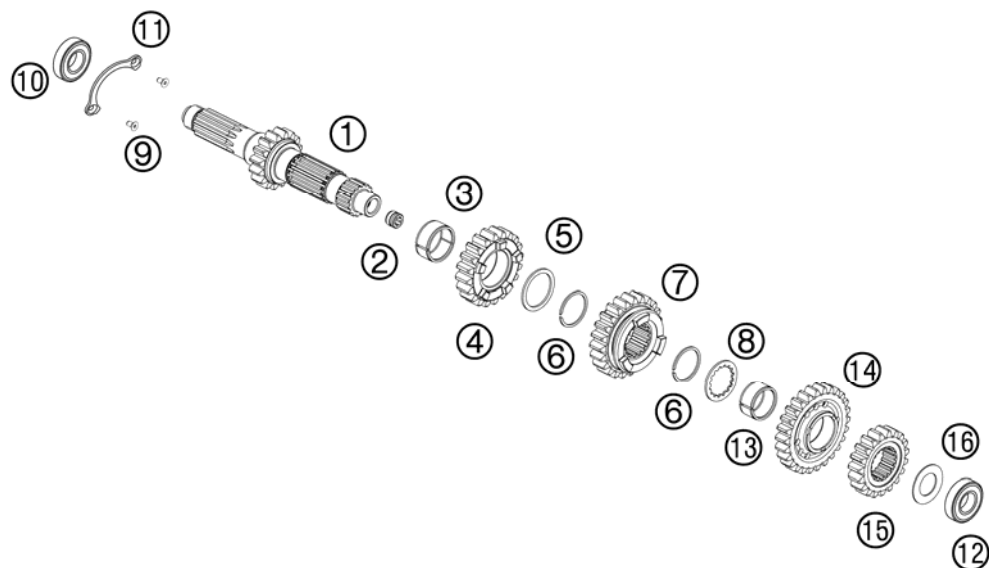


FIG	PART NUMBER	DESCRIPTION	QTY
1	77333301000	MAIN SHAFT	1
2	77333001160	GUIDE BUSHING	1
3	0405242813G	NEEDLE BEAR.K 24X28X13 DIVIDED	1
4	77333303000	IDLER GEAR 3 G	1
5	78033031000	STOP DISK 26 X 32 X 1,5	1
6	0417025000	CIRCLIP SW25	2
7	77333304000	SLIDING GEAR 4.G	1
8	78033033000	STOP DISK 23 X 32 X 1,5	1
9	0019050103	INT. TORX FLAT HEAD M 5X10 8.8	2
10	0625062054	BALL BEARING 6205 C3 NTN	1
11	77333022100	BUSHING RETAINING PLATE	1
12	0625062036	BALL BEARING 6203 RSH C3	1
13	0405222613	NEEDLE BEAR. K 22X26X13 TN	1
14	77333305000	IDLER GEAR 5G	1
15	77333302000	SOLID GEAR	1
16	56033030000	STOP DISC 17,2X30X1	1

117633330 / C117633330

* NEW PART

X AS REQUIRED

TRANSMISSION II - COUNTERSHAFT

450 RALLY 2011

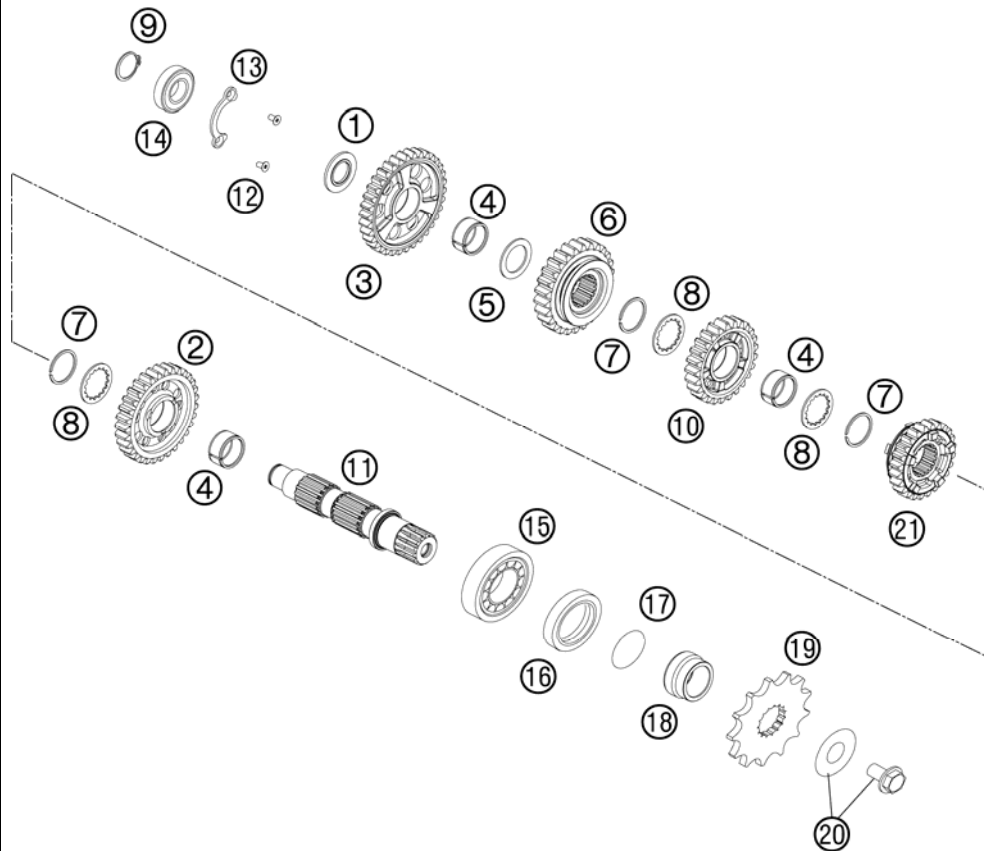


FIG	PART NUMBER	DESCRIPTION	QTY
1	77333045000	STOP DISC 17,1X32X2,6	1
2	77333312000	IDLER GEAR 2.G	1
3	77333311000	IDLER GEAR 1.G	1
4	0405222613	NEEDLE BEAR. K 22X26X13 TN	3
5	77333044000	STOP DISC 22,2X32X1,5	1
6	77333313000	SLIDING GEAR 3RD G	1
7	0417025000	CIRCLIP SW25	3
8	78033033000	STOP DISK 23 X 32 X 1,5	3
9	0471170015	CIRCLIP DIN 0471-17X1, 5	1
10	77333314000	IDLER GEAR 4TH. G.	1
11	83533310000	COUNTERSHAFT	1
12	0019050103	INT. TORX FLAT HEAD M 5X10 8.8	2
13	77333024100	BUSHING RETAINING PLATE	1
14	0625062036	BALL BEARING 6203 RSH C3	1
15	49030023000	CYL.ROLL BEARING NJ205	1
16	0760354771	SHAFT SEAL RING 35X47X7 TC	1
17	0770250015	O-RING 25,00X1,50 NBR 70	1
18	83533019000	SPACER BUSHING	1
19	50033029014	FRONT SPROCKET 14-T	x
19	50033029015	FRONT SPROCKET 15-T	1
19	50033029016	SPROCKET 16T	x
19	58033029017	ENGINE SPROCKET 17 T	x
20	59033034044	SCREW 10.9+SPRING WASHER	1
21	77333315000	SLIDING GEAR 5TD G	1

117633360 / C117633360

* NEW PART

X AS REQUIRED

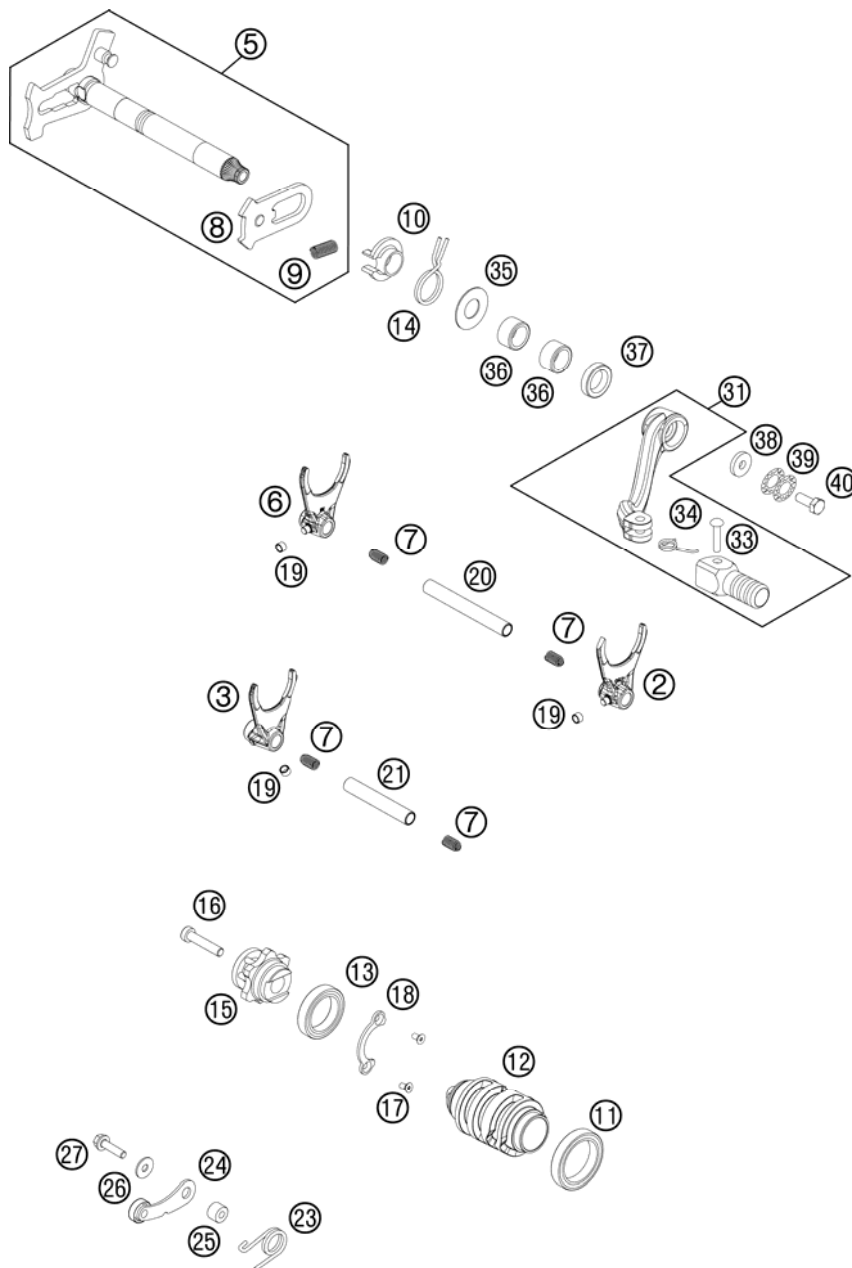


FIG	PART NUMBER	DESCRIPTION	QTY
2	77334002100M01	SHIFTING FORK 2ND/4TH GEAR	1
3	77334003100M01	SHIFTING FORK 3RD/5TH GEAR	1
5	77334005044	SHIFT SHAFT CPL. 07	1
6	77334001100M01	SHIFTING FORK 1ST.GEAR	1
7	58038023200	PRESSURE SPRING 0,9MM	4
8	54634008044	SLIDING PLATE CPL.	1
9	56534013100	TENSIONING SPRING 0,8MM	1
10	54634020000	SPRING GUIDE	1
11	0625061806	BALL BEARING 61806	1
12	77334012100	SHIFT ROLLER 5G 08	1
13	0625618052	BALL BEARING 6805 C3 JR	1
14	54834014000	RETURN SPRING 03	1
15	77334015000	SHIFT LOCATING DRUM CPL.	1
16	0012060303	AH SCREW DIN912 M6X30 8.8	1
17	0019050103	INT. TORX FLAT HEAD M 5X10 8.8	2
18	77334090000	BUSHING RETAINING PLATE	1
19	50334018100	SHIFTING ROLLER 6X8X5,2	3
20	77334020000	SHIFT RAIL	1
21	77334019000	FRONT SHIFT RAIL	1
23	60034023000	ARRESTING LEVER SPRING 03	1
24	50334024144	LOCATING LEVER CPL. 08	1
25	54634052300	SLEEVE FOR LOCKING LEVER	1
26	0021050003	WASHER DIN9021-A 5,3	1
27	0025050206	HH COLLAR SCREW M5X20 TX30	1
31	76334031000	SHIFT LEVER CPL. RALLY 11	1
33	54634031050	BOLT 6X25 FOR SHIFT LEVER	1
34	75034032000	SHIFTING LEVER SPRING	1
35	54634050000	STOP DISK 14X30X1	1
36	54632095000	NEEDLE BEAR.HK 1412 14X20X12	2
37	0760142460	SHAFT SEAL RING 14X24X6 B	1
38	50232050001	STEEL WASHER 6,4X17X3	1
39	50233041000	PAIR OF WASHERS M 6 NORDLOCK	1
40	59009062016	SPECIAL SCREW M6X16 WS=8 10.9	1

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* NEW PART

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WATER PUMP

450 RALLY 2011

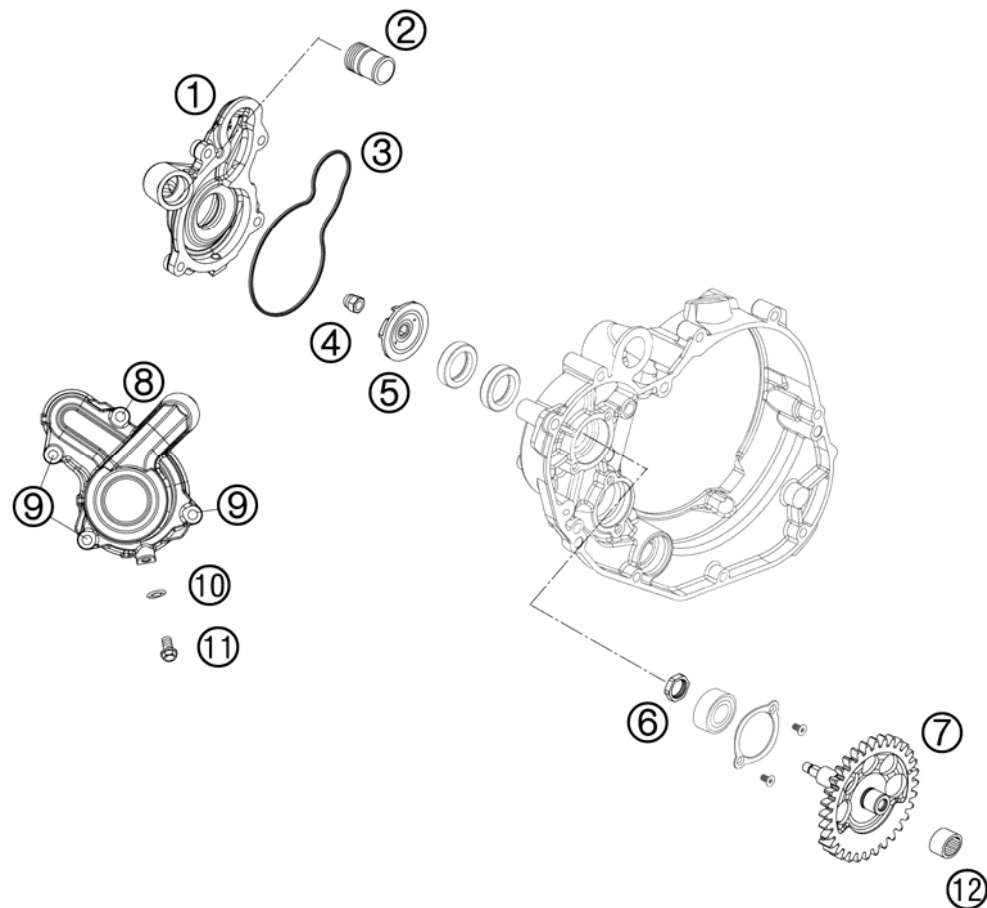


FIG	PART NUMBER	DESCRIPTION	QTY
1	8353505200015	WATER-PUMP COVER	1
2	58030010200	SCREW IN NOZZLE M20X1,5	1
3	77335053000	WATER-PUMP GASKET 06	1
4	61230045000	CAP NUT M6 STAINLESS STEEL	1
5	77335055100	WATER-PUMP WHEEL 07	1
6	77330056050	NUT M14 X 1 FOR BALANCER . 06	1
7	77330056200	BALANCER GEAR KS 32-T 07	1
8	0025060556	HH COLLAR SCREW M6X55 TX30	1
9	0025060166	HH COLLAR SCREW M6X16 TX30	3
10	0603061001	CU-SEAL RING DIN7603-6X10X1	1
11	0025060106	HH COLLAR SCREW M6X10 TX30	1
12	77335050050	NEEDLE BEARING RNA 4900	1

117633510 / C117633510

* NEW PART

X AS REQUIRED

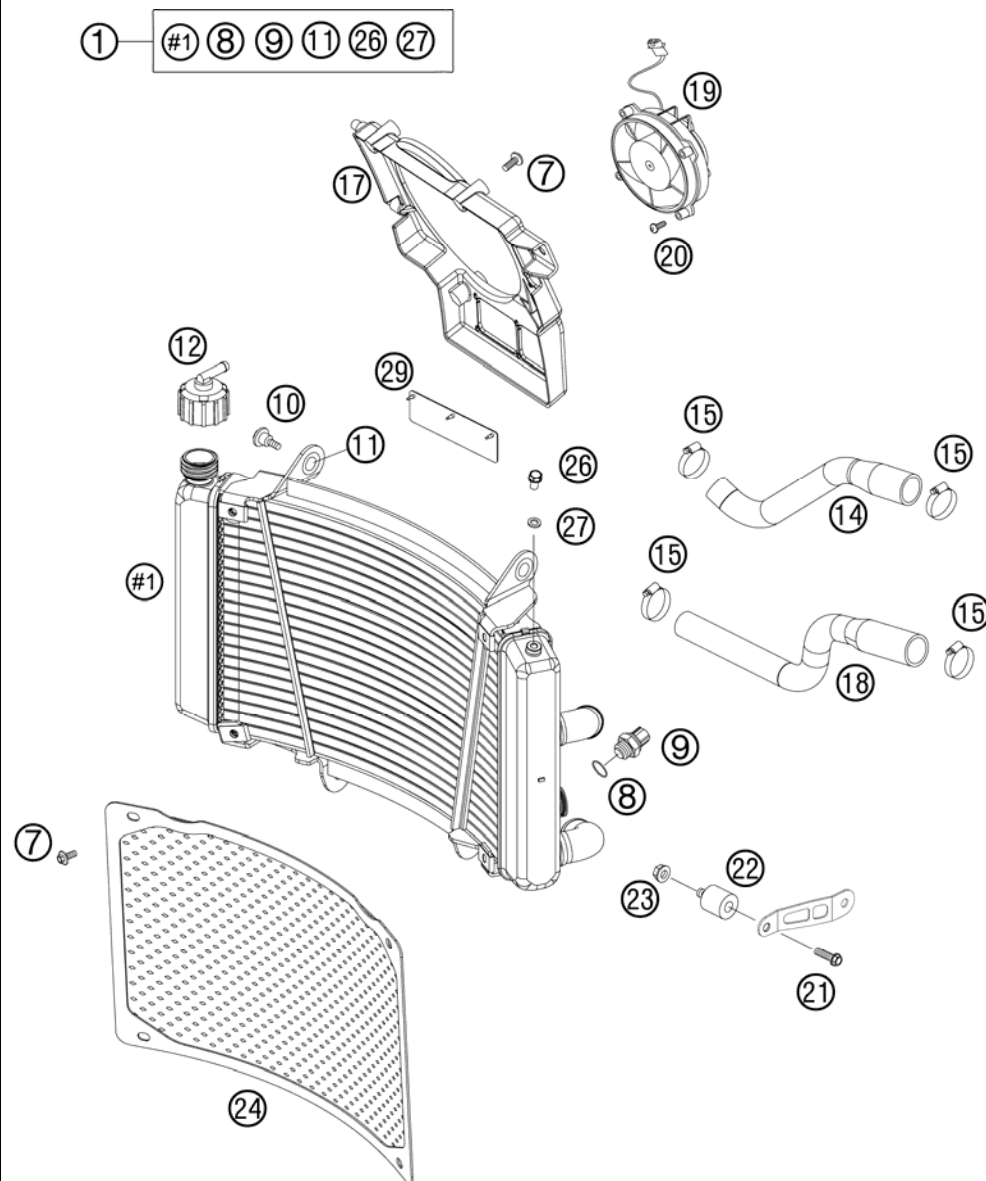


FIG	PART NUMBER	DESCRIPTION	QTY
1	76235010000	RADIATOR "VW 1182" 07	1
7	0014060133	HH COLLAR SCREW M 6X13 WS=8	4
8	0770017015	O-RING 17X1,5 NB75	1
9	58035045000	THERMOSWITCH 80-85 DG	1
10	60035001000	SPECIAL SCREW M6X21 WS=8	2
11	41001052000	RUBBER SLEEVE D=12MM	2
12	62535009000	RADIATOR CAP 1,4 BAR	1
14	76335026000	RADIATOR HOSE 1	1
15	76235028000	HOSE CLAMP GEMI 20-32 MM	4
17	76235044000	FAN COWL 07	1
18	76335026001	RADIATOR HOSE 2	1
19	60035041000	FAN L/S 03	1
20	0017060203	EJOT PT SCREW K60X20 WS=6	4
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	76235034044	RADIATOR PROTECTOR 07	1
26	0025060106	HH COLLAR SCREW M6X10 TX30	1
27	60035048000	ALU-GASKET 6X10X1.5	1
29	62635044050	FAN CLACK RUBBER 08	2

117633530 / C117633530

* NEW PART

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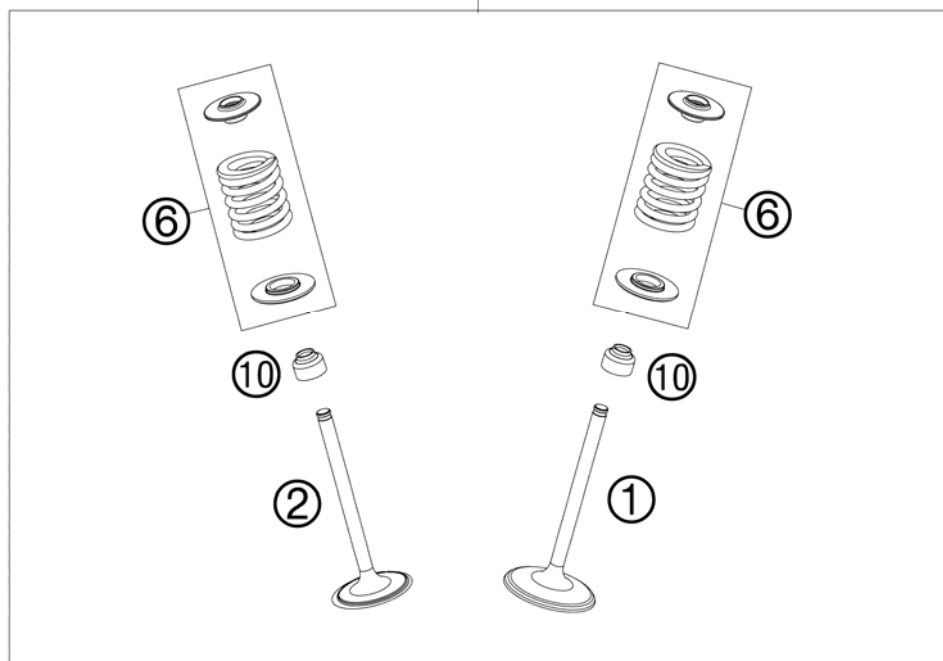


FIG	PART NUMBER	DESCRIPTION	QTY
1	77336030300	INTAKE VALVE	2
2	77336031000M03	EXHAUST VALVE	2
3	77036035172	SHIM D=8,9/1,72	x
3	77036035176	SHIM D=8,9/1,76	x
3	77036035180	SHIM D=8,9/1,80	x
3	77036035184	SHIM D=8,9/1,84	x
3	77036035188	SHIM D=8,9/1,88	x
3	77036035192	SHIM D=8,9/1,92	x
3	77036035196	SHIM D=8,9/1,96	x
3	77036035200	SHIM D=8,9/2,00	x
3	77036035204	SHIM D=8,9/2,04	x
3	77036035208	SHIM D=8,9/2,08	x
3	77036035212	SHIM D=8,9/2,12	x
3	77036035216	SHIM D=8,9/2,16	x
3	77036035220	SHIM D=8,9/2,20	x
3	77036035224	SHIM D=8,9/2,24	x
3	77036035228	SHIM D=8,9/2,28	x
3	77036035232	SHIM D=8,9/2,32	x
3	77036035236	SHIM D=8,9/2,36	x
3	77036035240	SHIM D=8,9/2,40	x
3	77036035244	SHIM D=8,9/2,44	x
3	77036035248	SHIM D=8,9/2,48	x
3	77036035252	SHIM D=8,9/2,52	x
3	77036035256	SHIM D=8,9/2,56	x
3	77036035260	SHIM D=8,9/2,60	x
6	77336128044	VALVE SPRING KIT 09	4
9	77336033100	VALVE COLLET 07	8
10	59036027000	VALVE-STEM SEALING RACING	4
11	77336060100	VALVE LEVER	3
12	77336160000	VALVE LEVER	1
13	77336056000	INTAKE VALVE LEVER SHAFT	1
14	77336057000	EXHAUST VALVE LEVER SHAFT	1
99	77336030210	VALVE KIT	1

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* NEW PART

x AS REQUIRED

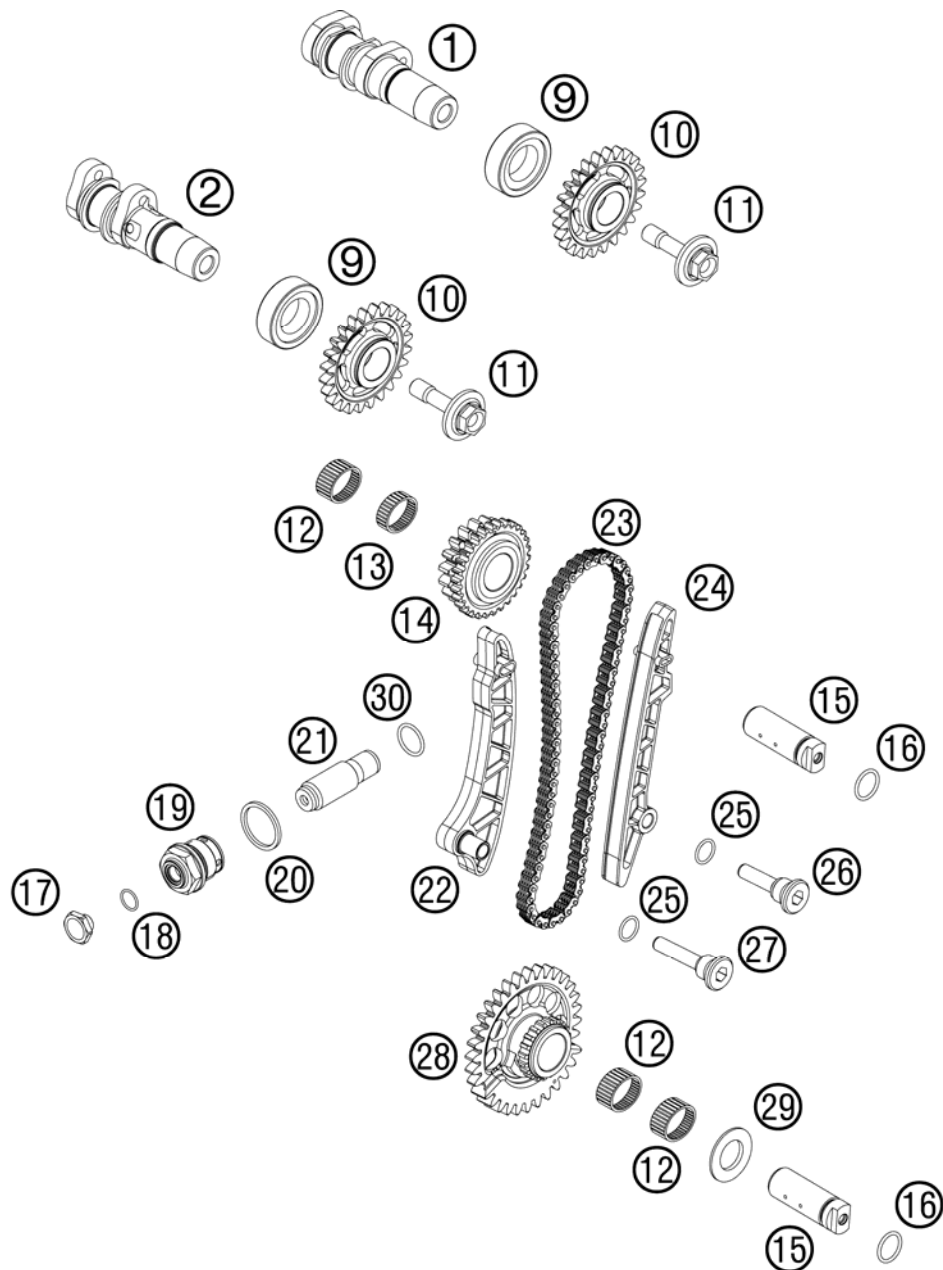


FIG	PART NUMBER	DESCRIPTION	QTY
1	77336009300	CAMSHAFT INTAKE	1
2	77336010444	CAMSHAFT EXHAUST CPL.	1
9	0402174012	CYL.ROLL BEARING RNU203ETVP2	2
10	77336011000	CAMSHAFT GEAR 07	2
11	77336076100	SCREW MW M10-1,0X38	2
12	0405182213	NEEDLE BEAR K 18X22X13	3
13	0405182210	NEEDLE BEARING K 18X22X10 02	1
14	77336070177	DOUBLE GEAR W.CPL. Z18/Z30 07	1
15	77336075100	AXLE FOR TIMING VALVE 06	2
16	0770015018	O-RING 15,00X1,80	2
17	77336008010	HOLDING BOLT	1
18	0770010010	O-RING 10,00X1,00 NBR 70 SH	1
19	77336008000	HOLDING BOLT M24X1,5	1
20	0603242920	CU SEAL-RING DIN7603 A24X29X2	1
21	77036003000	CHAIN ADJUSTER HYD. 05	1
22	77336002177	TENSIONER RAIL CPL. 07	1
23	77336013100	TIMING CHAIN 07	1
24	77336001100	GUIDE RAIL 07	1
25	0770012015	O-RING 12,00X1,50 NBR	2
26	77336091000	BUSHING SCREW	1
27	77336091100	BUSHING SCREW	1
28	77330057200	BALANCER GEAR	1
29	77330058000	STOP DISC 18/32/1,4/2,7	1
30	0770180020	O-RING 18,00X2,00 NBR 70	1

117633620 / C117633620

* NEW PART

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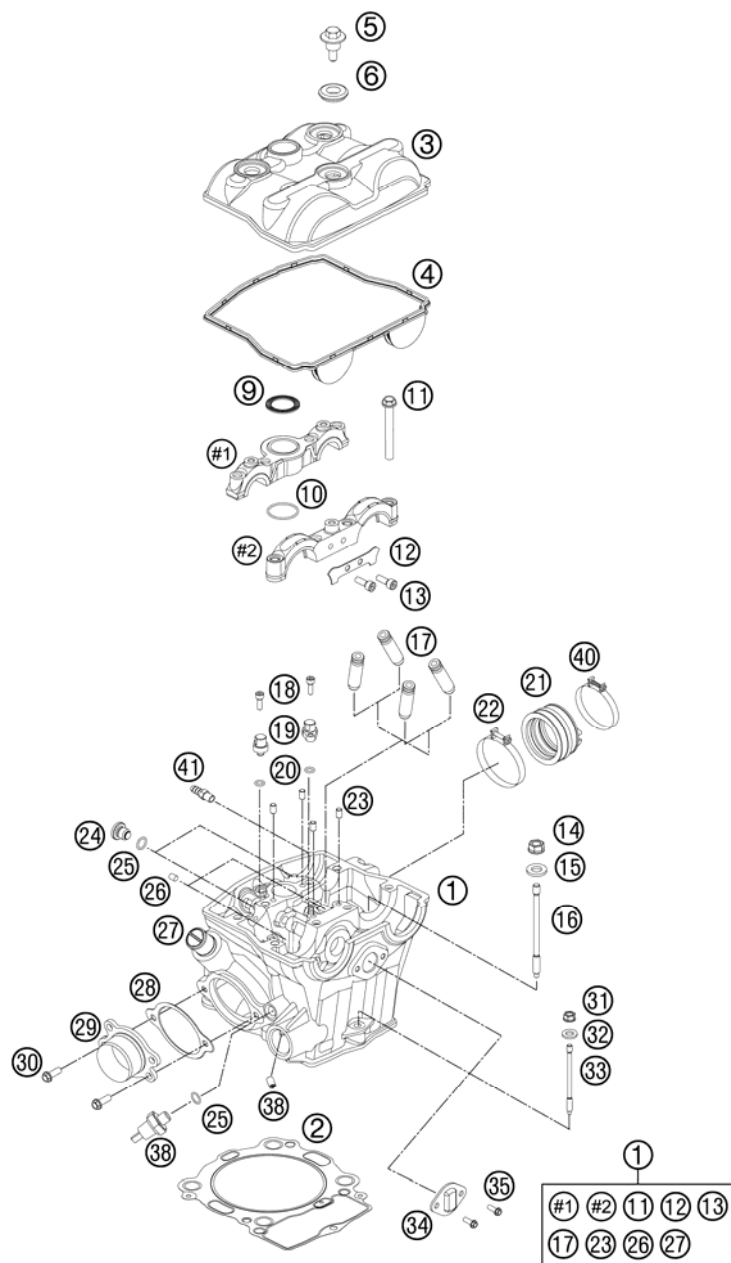


FIG	PART NUMBER	DESCRIPTION	QTY
1	77336020344	CYLINDER HEAD CPL.	1
2	77330036000	CYL. HEAD GASKET S=0,5 06	1
3	77336052100	VALVE COVER	1
4	77336053000	VALVE COVER GASKET	1
5	77336054150	VALVE COVER SCREW	3
6	77036054050	RUBBER GASKET FOR SCREW 05	3
9	77336053050	GASKET SPARK-PLUG SHAFT	1
10	0770250015	O-RING 25,00X1,50 NBR 70	1
11	77330067138	SCRW M7-1,0X38	8
12	77336020040	BUSHING HOLDER	1
13	0912050103	AH SCREW DIN0912-M 5X10	2
14	77336088210	COLLAR NUT M10X1,25 SW13	4
15	77336089010	WASHER 19X10,5X2,5	4
16	77330044100	STUD SCREW M10	4
17	61236026001	VALVE GUIDE EXHAUST 08	4
18	0912040123	AH SCREW DIN0912-M 4X12	2
19	77338046000	OIL JET	2
20	0770060015	O-RING 1,5x6	2
21	76336044000	CONNECTION RUBBER	1
22	60036047100	HOSE CLAMP GEMI 62 MM 03	1
23	0402050080	CYLINDER ROLLER ZRO 5X8	4
24	77336056095	SCREW PLUG	2
25	0770090015	O-RING 9X1,5 NBR	3
26	59030196000	PLUG 00	2
27	58030010200	SCREW IN NOZZLE M20X1,5	1
28	77336041000	GASKET EXHAUST FLANGE	1
29	76336039000	EXHAUST FLANGE CPL. RALLY	1
30	0025060166	HH COLLAR SCREW M6X16 TX30	2
31	77336088106	COLLAR NUT M6X1 SW8	1
32	0125060003	WASHER DIN0125-A 6,4	1
33	77330043000	STUD SCREW M6	1
34	SXS07450245	SXS FACTORY RETAINING PLATE	1
35	0025050106	COLLAR SCREW M5X12 ISA30	1
36	60038091100	OIL-PRESSURE SWITCH LC8 04	1
38	77338029012	THROTTLE M6X10X0,6	1

117633630 / C117633630

* NEW PART

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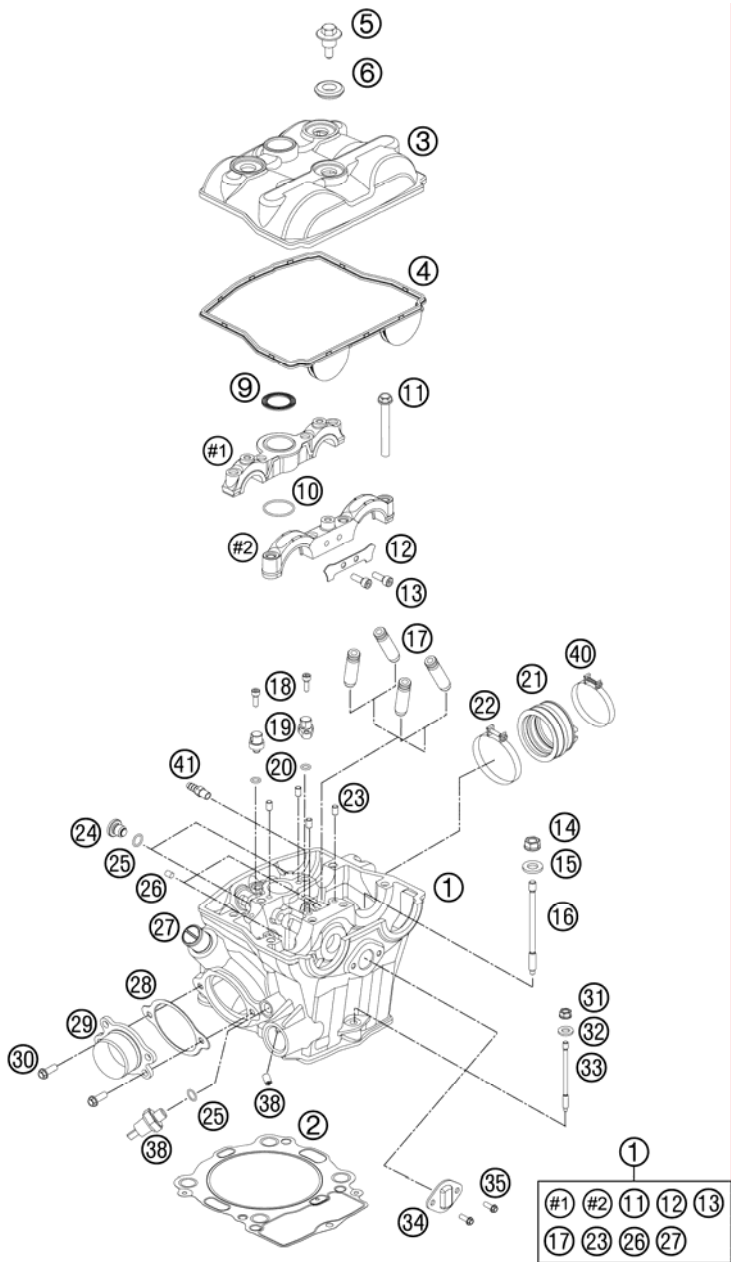


FIG	PART NUMBER	DESCRIPTION	QTY
40	59030061100	HOSE CLAMP GEMI 56MM 03	1
41	58336020090	VACUUM CONNECTION M 6X1	1

117633630 / C117633630

* NEW PART

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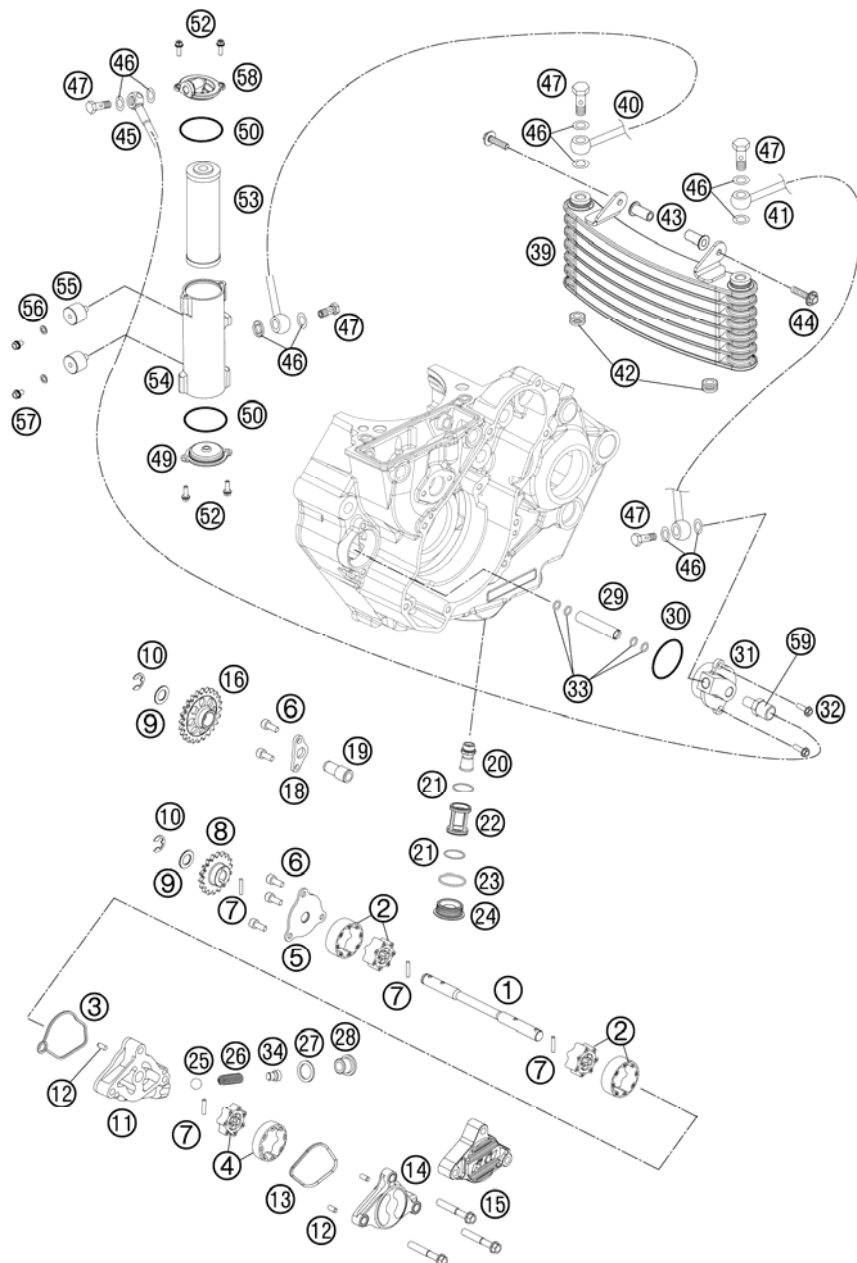


FIG	PART NUMBER	DESCRIPTION	QTY
1	77338002100	OIL PUMP SHAFT	1
2	77338107100	SUCTION PUMP CPL.	2
3	77338012000	GASKET PRESSURE PUMP CASE	1
4	77338207100M01	PRESSURE PUMP PEEK D=9MM	1
5	77338004100	PUMP COVER 07	1
6	0912050123	AH SCREW DIN0912-M 5X12	5
7	0402031580	NEEDLE ROLLER DIN5402 3X15,8	4
8	77338001100	OIL PUMP GEAR 18-T	1
9	77338023000	WASHER 10,2X18X1	2
10	0799080000	TAB WASHER DIN6799 RS8	2
11	77338010100	PRESSURE PUMP CASE	1
12	0402040980	NEEDLE ROL.DIN5402 NRB 4X9,8	3
13	77338112000	GASKET PRESSURE PUMP COVER	1
14	77338013100	PRESSURE PUMP COVER	1
15	0025060406	HH COLLAR SCREW M6X40 TX30	3
16	77338000150	OILPUMP IDLER GEAR 24-T.	1
18	77338061050	LOCK WASHER BEARING BOLT	1
19	77338061000	BEARING BOLT	1
20	77338022000	OIL INTAKE SNORKEL	1
21	0770023015	O-RING 23,00X1,50 NBR 70	2
22	77338016100	OIL SCREEN CPL.	1
23	0770300020	O-RING 30X2,0 FPM	1
24	77338019100	PLUG SCREW	1
25	0401100000	BALL D=10 DIN 5401	1
26	77338026100	COIL SPRING	1
27	0603142016	CU-SEAL RING 14X20X1,5 LC8 02	1
28	60038033050	PLUG SCREW M14X1,5 ALU AH	1
29	76338051000	CONNECT IN TUBE	1
30	0770275025	O-RING 27,5X2,5 NBR	x
30	07703305178	O-RING 33,05X1,78	x
31	76338050000	OIL LINE CONNECTOR	1
32	0025060166	HH COLLAR SCREW M6X16 TX30	2
33	0770012021	O-RING 12X2 VITON GREEN	4
34	76338027000	SWIVEL PRESSURE REGULATOR	1
39	76238000000	OIL COOLER	1

117633810 / C117633810

* NEW PART

X AS REQUIRED

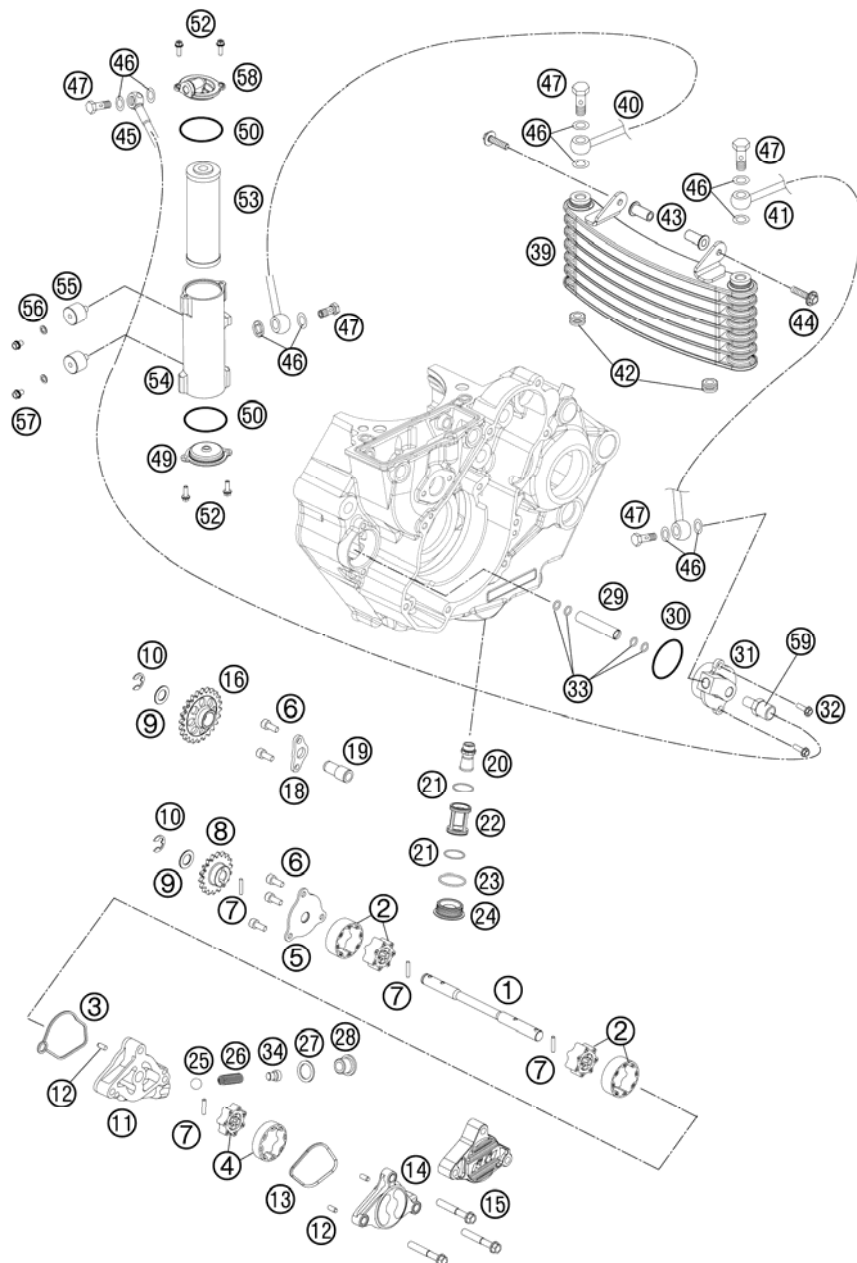


FIG	PART NUMBER	DESCRIPTION	QTY
40	76338035000	OIL PIPE RIGHT	1
41	76338034000	OIL PIPE LEFT	1
42	31008060000	RUBBER SLEEVE D=8MM OPEN	2
43	76212090070	INSULATED SCREW JOINT M6	2
44	0014060203	HH COLLAR SCREW M 6X20 WS=8	2
45	76338036000	OIL PIPE BELOW	1
46	0603100141	COPPER GASKET DIN7603-10X14X1	10
47	54313025000	HOLLOW SCREW M10 X 1	5
49	59038041000	OIL FILTER COVER RACING	1
50	07700390261	O-RING 39,34X2,62	2
52	0025050166	HH COLLAR SCREW M5X16 TX30	4
53	60038015000	OIL FILTER 03	1
54	76338043000	OIL FILTER CASE	1
55	58405021000	SILENTBLOCK 20X10 M6X10/M6X16	2
56	50233041000	PAIR OF WASHERS M 6 NORDLOCK	2
57	0015060083	HH COLLAR SCREW M 6X8 WS=8	2
58	76338141000	OILFILTER CAP	1
59	76338037000	ADAPTER ALU METRIC	1

117633810 / C117633810

* NEW PART

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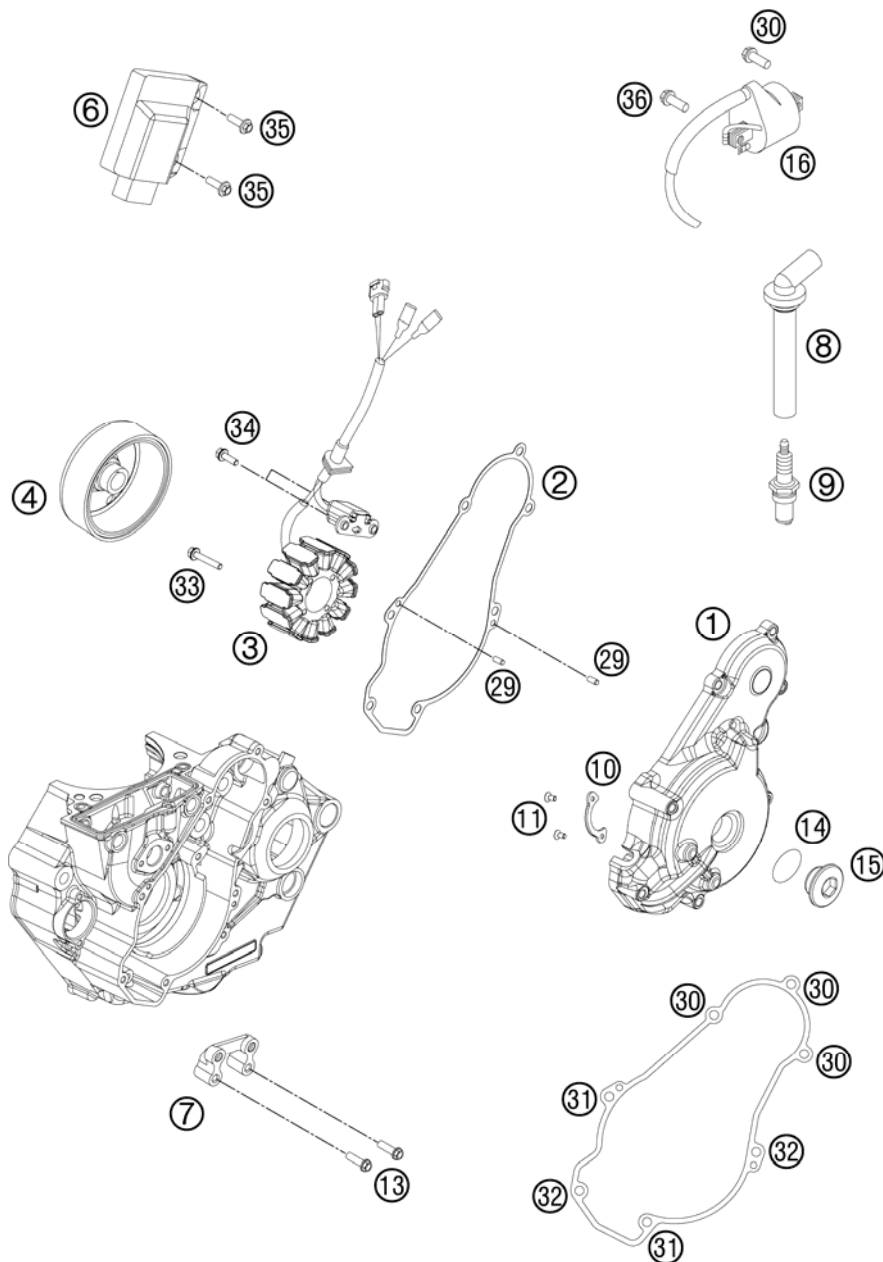


FIG	PART NUMBER	DESCRIPTION	QTY
1	7633000200015	IGNITION COVER	1
2	77330040100	IGNITION COVER GASKET	1
3	77539004000	STATOR	1
4	83039005000	ROTOR	1
6	76339031000	CDI UNIT KOKUSAN 450 RALLY 11	1
7	77339035100M01	ADAPTER PULSER COIL	1
8	77339090000	SPARK PLUG NGK-XD05EMGK	1
9	77039093000	SPARK PLUG NGK CR9EKB '05	1
10	77334090000	BUSHING RETAINING PLATE	1
11	0019050103	INT. TORX FLAT HEAD M 5X10 8.8	2
13	0025050256	HH COLLAR SCREW M5X25 ISA30	2
14	0770220020	O-RING 22,00X2,00 B70	1
15	7723000206004	FACTORY IGNITION COVER PLUG OR	1
16	59039006000	IGNITIONCOIL "IG5128"	1
29	0402040980	NEEDLE ROL.DIN5402 NRB 4X9,8	2
30	0025060206	HH COLLAR SCREW M6X20 TX30	5
31	0025060556	HH COLLAR SCREW M6X55 TX30	2
32	0025060456	HH COLLAR SCREW M6X45 TX30	2
33	0025050306	HH COLLAR SCREW M5X30 TX30	3
34	0025050166	HH COLLAR SCREW M5X16 TX30	2
35	0023060123	COLLAR SCREW M6X12 TX	2
36	0025060166	HH COLLAR SCREW M6X16 TX30	1

117633910 / C117633910

* NEW PART

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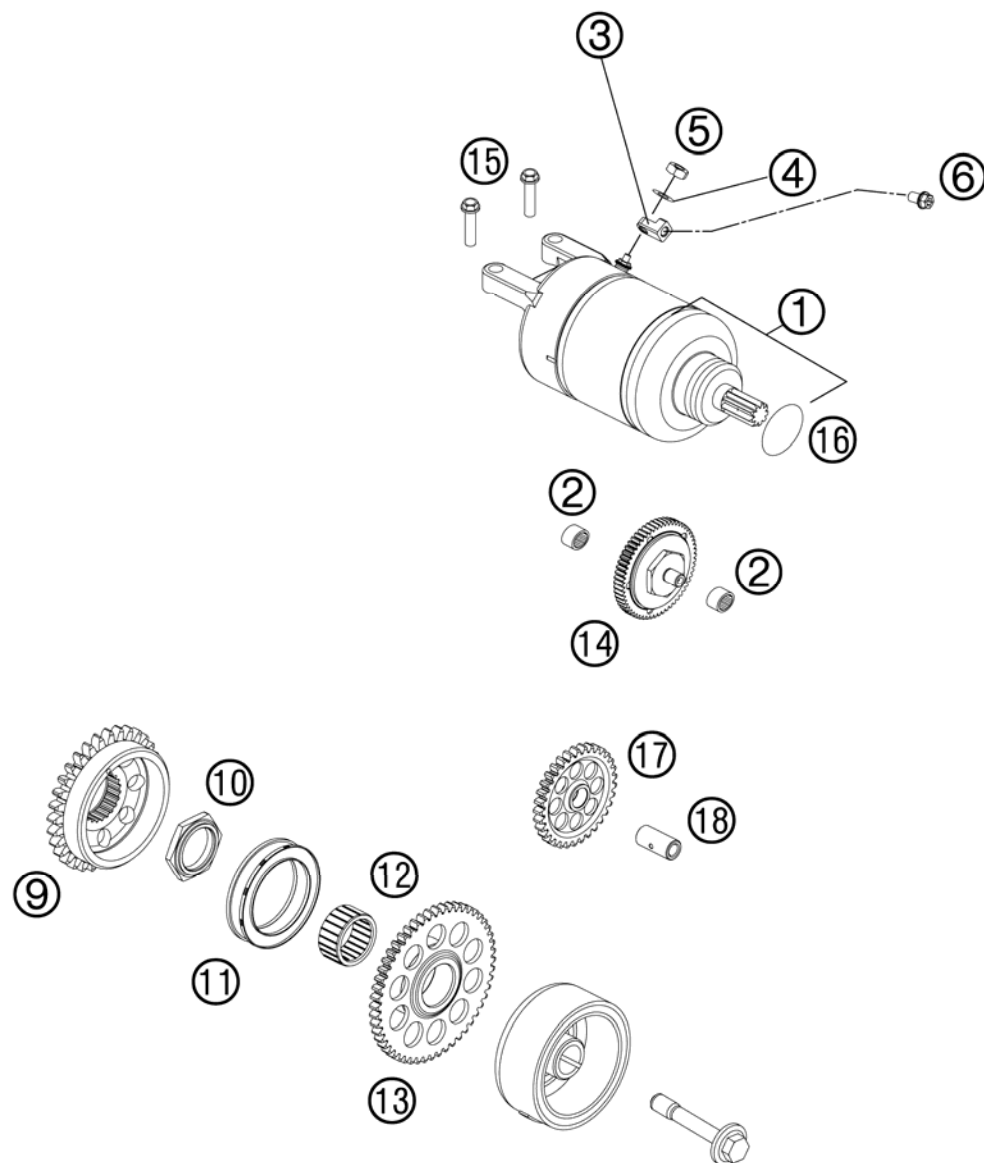


FIG	PART NUMBER	DESCRIPTION	QTY
1	77340001000	E-STARTER ENGINE CPL. 07	1
2	0618081210	NEEDLE BUSH HK 0810 DIN 618	2
3	76211059010	STARTER CABLE LUG	1
4	0125060003	WASHER DIN0125-A 6,4	1
5	0985060003	SELF LOCK. NUT DIN0985-M 6	1
6	0025060106	HH COLLAR SCREW M6X10 TX30	1
9	77330055160	DRIVE WHEEL AGZR KS Z=32	1
10	77330029000	COLLAR NUT M27X1	1
11	H25015301	FREE WHEEL CLUTCH MECHANISM 97	1
12	0405253216	NEEDLE BEAR. K25X32X16	1
13	77340015100	STARTING GEAR Z=52	1
14	77340016000	TORQUE LIMITER CPL. 07	1
15	0015060203	HH COLLAR SCREW M 6X20 WS=8	2
16	0770250030	O-RING 25,00X3,00 NBR 70	1
17	77340022100	INTERMEDIATE STARTING GEAR	1
18	77340028000	BEARING BOLT	1

117634010 / C117634010

* NEW PART

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