



TrailMaster SK110 (E)S
Dirt Bike
Engine Parts Manual

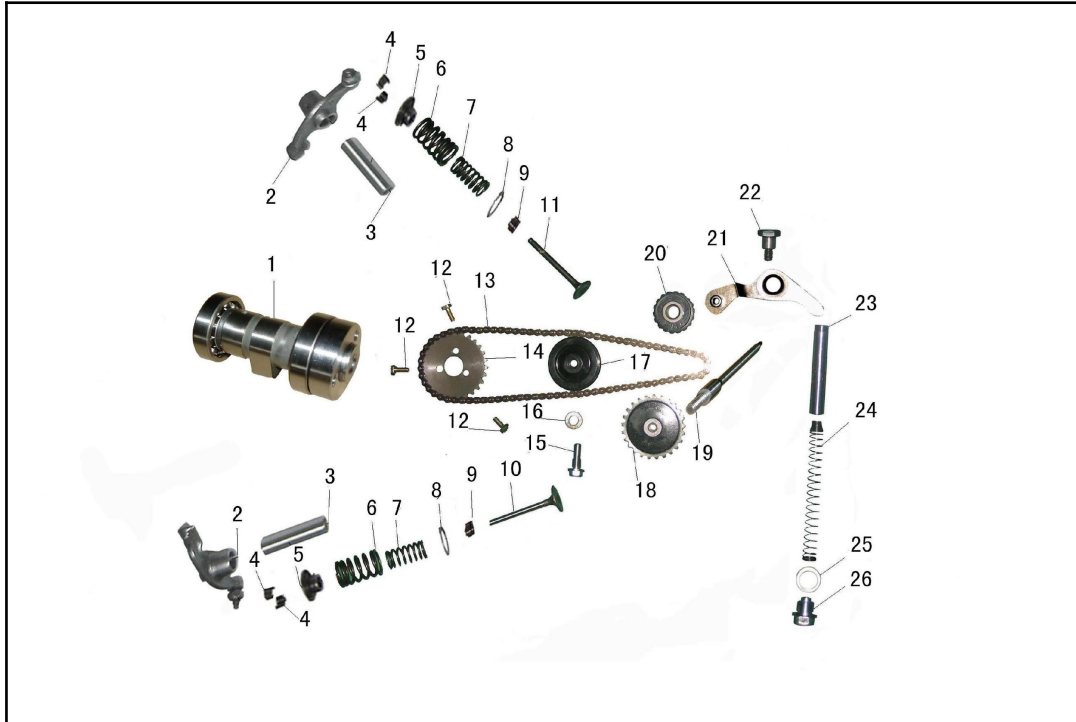
1. CYLINDER HEAD & CYLINDER BLOCK



RefNo	Part No	English Description	Qty	Remark
1	1020003-005-0000	Cylinder Base Gasket	1	
2	1150036-005-0004	Dowel Pin $\Phi 8 \times 12$	2	
3	1020009-005E-0000	Cylinder Block	1	
4	1150040-005-0004	Rectangular Seal Ring B $\Phi 16 \times 11.5 \times 2.5$	1	
5	Q/HSQ 5783-2003 M6×23	Hex Flange Bolt M6×23	1	
6	1020021-005-0000	Cylinder Head Gasket	1	
7	1150036-005-0004	Dowel Pin $\Phi 8 \times 14$	2	
8	1020002-005-0000	Flanged Bushing	1	
9	1150040-005-0006	Rectangular Seal Ring C $\Phi 10.8 \times 8 \times 1.5$	1	
12	1020014-005-0000	Left Cylinder Head Cover	1	
13	1020015-005-0002	Left Cylinder Head Cover Gasket	1	
14	1150008-005-0000	Stud Bolt M6×35	2	
15	1150039-0005-0000	Valve Cover Seal Ring	2	
16	1020016-005-0004	Valve Cover	2	
17	1020013-005-0002	Cylinder Head Cover Gasket	1	
18	1020012-005-0011	Cylinder Head Cover	1	
19	1150034-005-0028	Steel Washer $\Phi 7 \times 14 \times 2.5$	3	
20	1150034-005-0005	Copper Washer $\Phi 7 \times 14 \times 2.5$	1	
21	1150006-005-0003	Cylinder Head Nut M7	4	
22	1110011-005-0000	Spark Plug (A7TC)	1	A7TC
23	Q/HSQ 5787-2003 M6×20	Bolt M6×20	2	
24	Q/HSQ 5789-2003 M6×110	Bolt M6×110	1	
25	1150034-005-0000	Aluminum Washer $\Phi 6 \times 13 \times 2$	1	
26	1021200-005-0000	Right Cylinder Head Cover	1	
27	1020034-005-0001	Right Cylinder Head Cover Gasket	1	
28	1021100-005-0000	Cylinder Head	1	
29	1100001-005-0000	Intake Manifold Gasket	1	
30	1100002-005-0000	Intake Manifold	1	
31	GB/T 5783-2000 M6×22	Hex Bolt M6×22	2	
32	GB/T 5783-2000 M6×25	Hex Bolt M6×25	2	
33	1100005-005-0000	Heat Insulating Gasket	1	
34	1150039-005-0000	O-Ring 25×2.4	1	

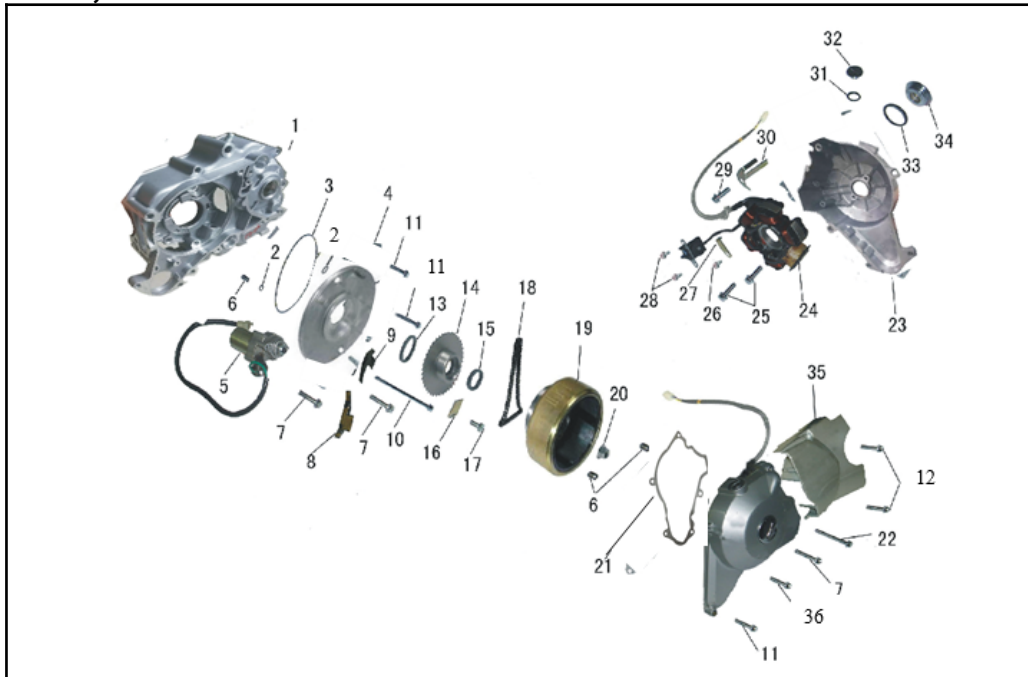
35	Q/HSQ 5783-2003 M6×23	Hex Flange Bolt M6×23	1	
----	--------------------------	-----------------------	---	--

2. VALVE TRAIN MECHANISM



RefNo	Part No	English Description	Qty	Remark
1	1041000-007-0000	Camshaft	1	
2	1020027-005-0000	Rocker Arm	2	
3	1046000-005-0000	Rocker Arm Shaft	2	
4	1046001-005-0000	Valve Cotter (Keeper)	4	
5	1040032-005-0000	Valve Spring Seat	2	
6	1040031-005-0000	Outer Valve Spring	2	
7	1040028-005-0000	Inner Valve Spring	2	
8	1040027-005-0000	Outer Valve Spring Retainer	2	
9	1040031-005-0000	Valve Stem Oil Seal	2	
10	1040033-005-0000	Intake Valve	1	
11	1040025-005-0000	Exhaust Valve	1	
12	1040026-005-0000	Bolt M5×12	3	
13	GB/T 5783-2003-84	Timing Chain (84 Links)	1	
14	1042000-006-0000	Timing Driven Sprocket	1	28T
15	1031005-006-0000	Guide Roller Shaft	1	
16	1150012-006-0001	Aluminum Washer Φ12×20×2	1	
17	1150034-005-0029	Guide Roller	1	
18	1040019-006-0001	Oil Pump Sprocket	1	
19	1052002-006-0000	Oil Pump Sprocket Shaft	1	
20	1043000-005-0000	Chain Tension Roller	1	
21	1044000-005-0000	Tension Arm	1	
22	1150014-005-0000	Tension Arm Shaft	1	
23	1045000-005-0000	Chain Tensioner Assembly	1	
24	1040017-005-0000	Chain Tensioner Spring	1	
25	1150034-005-0029	Aluminum Washer Φ14×20×2	1	
26	1150021-005-0003	Sealing Plug	1	

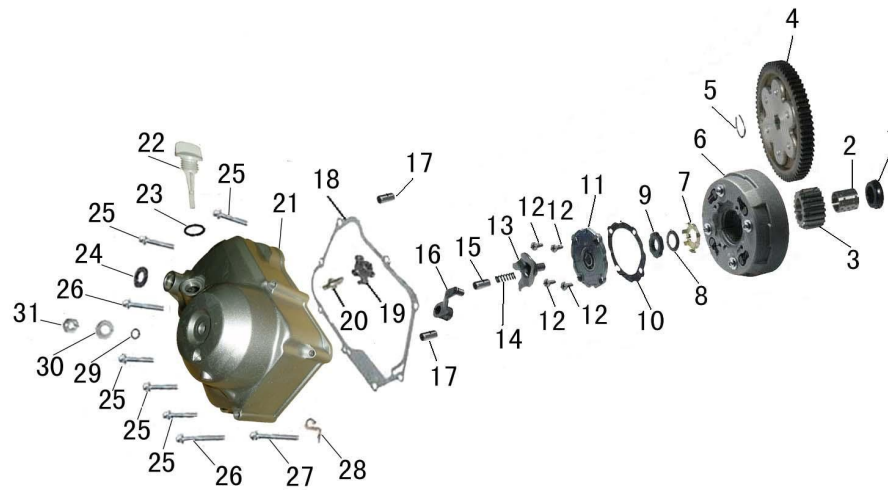
3. MAGNETO, STARTER MOTOR & LEFT CRANKCASE COVER



RefNO	Part No	English Description	Qty	Remark
1	1010023-005E-0000	Left Crankcase Assembly	1	
2	1150039-005-0002	O-Ring 6.5×1.9	2	
3	1150039-005-0001	O-Ring 106.8×2	1	
4	1010003-005E-0000	Oil Separator Plate	1	
5	1095000-005E-0000	Starter Motor	1	
6	1150036-005-0004	Dowel Pin Φ8×12	3	
7	Q/HSQ 5787-2003 M6×45	Bolt M6×45	2	
8	1000000-005E-0000	Starter Chain Tension Plate	1	
9	1040016-005E-0000	Starter Chain Guide Plate	1	
10	Q/HSQ 5787-2003 M6×80	Bolt M6×80	1	
11	GB/T819.1-2000 M6×16	Countersunk Screw M6×16	1	
12	Q/HSQ 5787-2003 M6×28	Bolt M6×28	3	
13	1010004-005-0000	Oil Seal TC30×42×4.5	1	
14	1092000-005E-0000	Large Sprocket	1	41T
15	1090018-005-0000	Oil Seal TC18.9×30×5	1	
16	1150044-005-0000	Sprocket Retainer Plate	1	
17	GB/T 5783-2000 M6×12	Hex Bolt M6×12	1	
18	1093000-005-0000	Starter Chain (62 Links)	1	
19	1111100-005-0001	Magneto Rotor (Flywheel)	1	
20	1150010-005-0000	Magneto Nut	1	
21	1010038-005E-0000	Left Crankcase Gasket	1	
22	Q/HSQ 5787-2003 M6×50	Bolt M6×50	1	
23	1010049-005E-0000	Left Front Cover	1	
24	1111200-005-0001	Magneto Stator	1	
25	Q/HSQ 5787-2003 M6×20	Bolt M6×20	2	
26	GB/T 5783-2000 M5×6	Hex Bolt M5×6	1	
27	1150045-005-0000	Trigger Coil Wire Clamp	1	
28	GB/T 5783-2000 M5×12	Bolt M5×12	2	
29	Q/HSQ5787-2003	Bolt M6×12	1	

	M6×12			
30	1150046-005-0000	Magneto Wire Clamp	1	
31	1150039-005-000	O-Ring 13.2×2.65	1	
32	1010046-005-0000	Inspection Cap B	1	
33	1150039-005-0005	O-Ring 27.4×2.4	1	
34	1010047-005-0000	Inspection Cap A	1	
35	1010050-005E-0004	Left Rear Cover	1	
36	Q/HSQ 5787-2003 M6×32	Bolt M6×32	1	

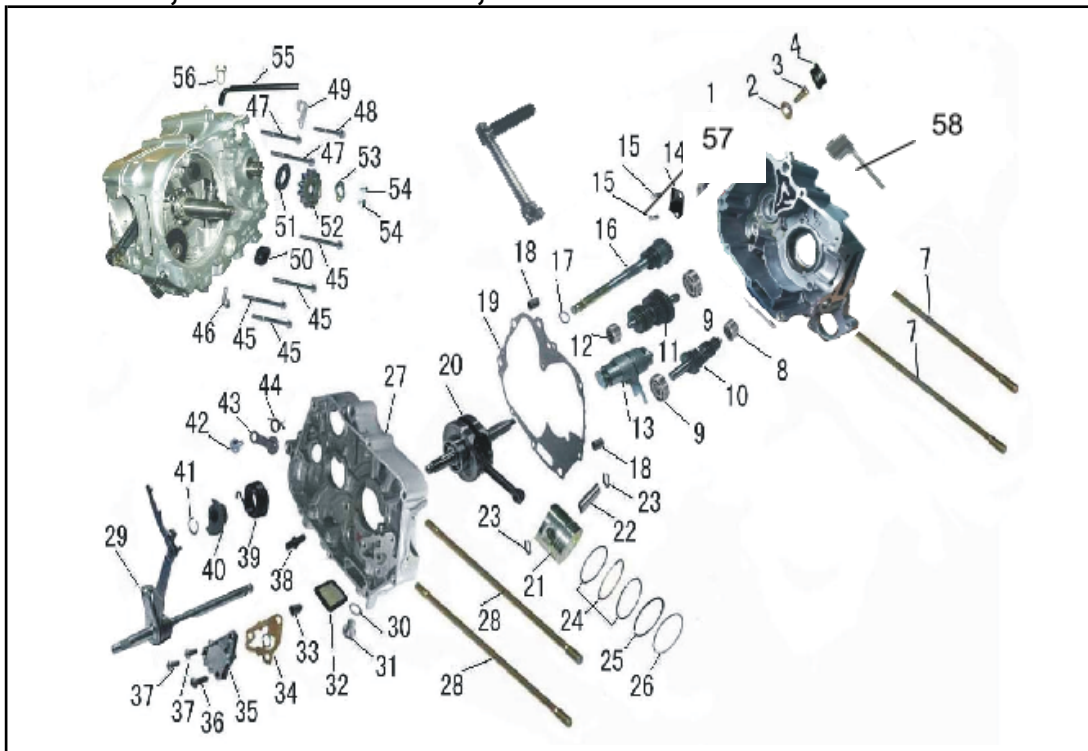
4. CLUTCH & RIGHT CRANKCASE COVER



RefNO	Part No	English Description	Qty	Remark
1	1060003-005-0000	Spacer Sleeve	1	
2	1060003-005-0000	Drive Gear Bushing	1	
3	1060001-005-0001	Drive Gear	1	T=17
4	1062000-005-0000	Driven Gear Assembly	1	T=69
5	GB/T 894.1-1986-17	Snap Ring 17	1	
6	1061000-007-0000	Clutch Assembly	1	
7	1060009-005-0000	Lock Washer	1	
8	1060008-005-0000	Belleville Washer	1	
9	1150017-005-0000	Round Nut M14×1	1	
10	1060014-005-0000	Clutch Cover Gasket	1	
11	1060013-005-0000	Clutch Cover	1	
12	GB/T 819.1-2000 M6×12	Countersunk Screw M6×12	4	
13	1060019-005-0000	Clutch Cam Plate	1	
14	1060011-005-0000	Oil Pipe Spring	1	
15	1060012-005-0000	Oil Pipe	1	
16	082300-005-0000	Shift Control Arm	1	
17	1150036-005-0004	Dowel Pin Φ8×12	2	
18	1010001-005-0000	Right Crankcase Gasket	1	
19	1061200-005-0000	Clutch Push Rod Assembly	1	
20	1061203-005-0000	Adjusting Bolt	1	
21	1013000-005-0000	Right Crankcase Cover Assembly	1	
22	1010069-005-0000	Oil Dipstick	1	
23	1150039-005-0015	O-Ring 18×3.5	1	
24	1090028-005-0000	Starter Shaft Oil Seal TC13.8×24×5	1	
25	Q/HSQ 5787-2003 M6×40	Bolt M6×40	5	

26	Q/HSQ 5787-2003 M6×65	Bolt M6×65	2	
27	Q/HSQ 5787-2003 M6×100	Bolt M6×100	1	
28	1010009-005-0002	High Voltage Wire Clamp	1	
29	1150039-005-0014	O-Ring 7.5×1.8	1	
30	1150034-005-0026	Steel Washer 8×16×2.5	1	
31	GB/T 6170-2000 M8	Hex Nut M8	1	

5. CRANKCASE, TRANSMISSION, CRANKSHAFT & PISTON



RefNO	Part No	English Description	Qty	Remark
1	1010023-005E-0000	Left Crankcase Assembly	1	
2	1112100-005-0000	Washer	2	
3	GB/T 70.1-2000 M6×16	Hex Bolt M6×16	1	
4	1112001-005-0000	Rubber Plug	2	
7	1150002-005-0001	Cylinder Bolt A M6-M7×205	1	
8	GB/T 276-1994-6001	Bearing 6001	2	
9	GB/T 276-1994-6203	Bearing 6203	1	
10	1071000-005-0000	Main Shaft Assembly	1	
11	1072000-005-0000	Counter Shaft Assembly	1	
12	GB/T 276-1994-6201	Bearing 6201	1	
13	1080001-005-0000	Shift Drum Assembly	1	
14	1094007-005-0000	Ratchet Guide Plate	2	
15	GB/T 5783-2000 M6x20	Bolt M6x20	1	
16	1094000-005-0001	Starter Shaft Assembly	1	
17	1094012-005-0000	Starter Shaft Washer	1	
18	1150036-005-0006	Dowel Pin Φ10×14	2	
19	1010001-005-0002	Crankcase Gasket	1	
20	1031000-005-0000	Crankshaft & Connecting Rod Assembly	1	
21	1030001-007-0000	Piston	1	
22	1030002-005-0000	Piston Pin	1	
23	1030003-005-0001	Piston Pin Circlip	2	
24	1030006-005-0000	Oil Ring Set	1	
25	1030005-005-0000	Piston Ring No.2	1	
26	1030004-005-0000	Piston Ring No.1	1	
27	1010033-005-0000	Right Crankcase Assembly	1	
28	1150001-005-0000	Cylinder Bolt B M6-M7×195	2	
29	1082200-005-0000	Shift Shaft Assembly	1	
30	1150034-005-0000	Aluminum Washer 12.2×20×2	1	
31	1150003-005-0000	Oil Drain Bolt	1	
32	1010014-005-0000	Oil Strainer Assembly	1	
33	1050003-005-0001	Oil Pump Sprocket Bushing	1	
34	1050004-006-0000	Oil Pump Gasket	1	

35	1051000-006-0000	Oil Pump Assembly	1	
36	GB/T 818-2000 M6×22	Pan Head Screw M6×22	1	
37	GB/T 818-2000 M6×16	Pan Head Screw M6×16	2	
38	1150019-005-0000	Locating Bolt	1	
39	1094004-005-0000	Starter Shaft Return Spring	1	
40	1094007-005-0000	Spring Seat	1	
41	GB/T 894.1-1986-17	Snap Ring 17	1	
43	1083000-005-0000	Positioning Plate Assembly	1	
44	1080002-005-0000	Positioning Plate Spring	1	
45	Q/HSQ 5787-2003 M6×65	Bolt M6×65	4	
46	010009-005-0002	Overflow Hose Clamp	1	
47	Q/HSQ 5787-2003 M6×60	Bolt M6×60	2	
48	Q/HSQ 5787-2003 M6×50	Bolt M6×50	1	
49	FF100-030013-0000	Breather Hose Clamp	1	
50	1080024-005-0000	Shift Shaft Oil Seal TC11.6×24×10	1	
51	1070036-005-0000	Counter Shaft Oil Seal TC17×29×5	1	
52	1070031-005-0006	Drive Sprocket	1	
53	1070032-005-0000	Drive Sprocket Retainer Plate	1	
54	GB/T 5783-2000 M6×10	Bolt M6×10	2	
55	1010028-005-0002	Breather Hose	1	
56	1010027-005-0000	Breather Hose Clamp	1	
57	1090029-005-0018	Kick Starter Assembly	1	HSQD-10
58	1080027-005-0040	Gear Shift Pedal Assembly	1	HSBT-32
59	1110029-0050003	Gear Indicator Rubber Plug Retainer Plate	1	
60	Q/HSQ 5787-2003 M6×12	Bolt M6×12	1	