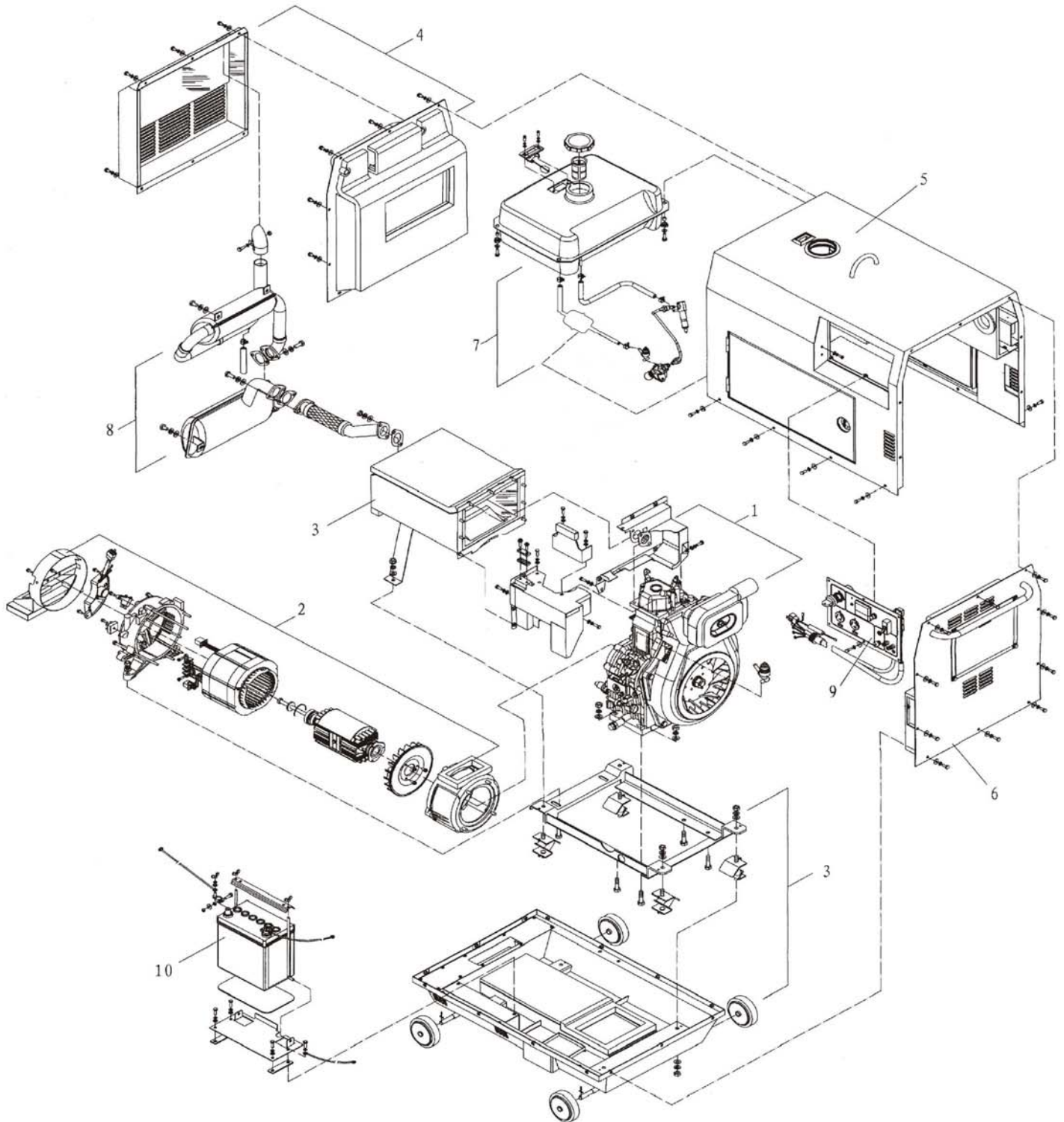
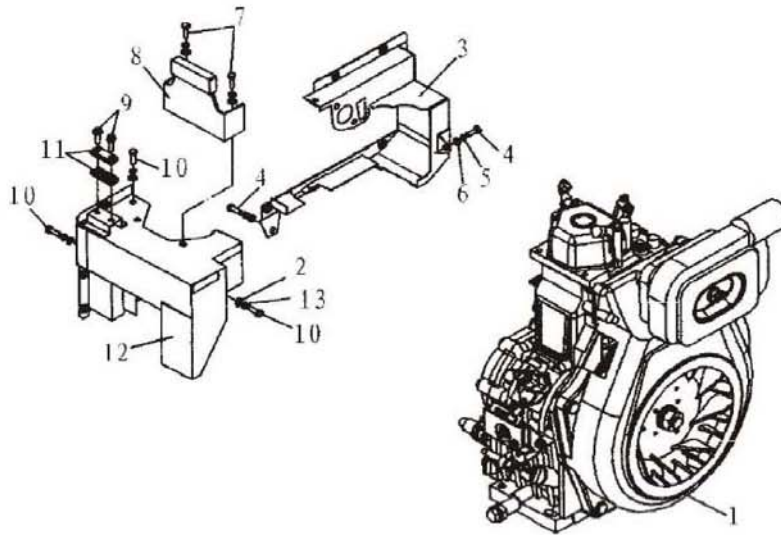


# Model DG6500ES

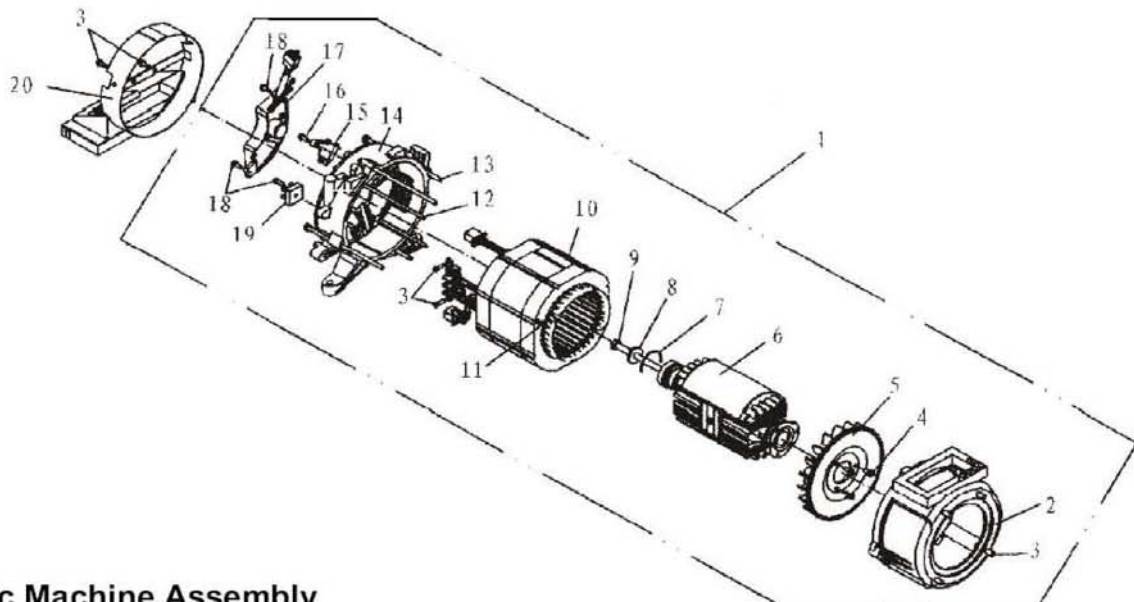


No.	Part No.	Description	No.	Part No.	Description
1	SDE5000T-01000	Diesel Engine Assembly	6	SDE5000T-06000	Right Side Plate
2	SDE5000T-02000	Electric Machine Assembly	7	SDE5000T-07000	Fuel System
3	SDE5000T-03000	Chassis	8	SDE5000T-08000	Muffler Assembly
4	SDE5000T-04000	Left Side Plate	9	SDE5000T-09000	Control Panel
5	SDE5000T-05000	Housing Unit	10	SDE5000T-09000	Accumulator



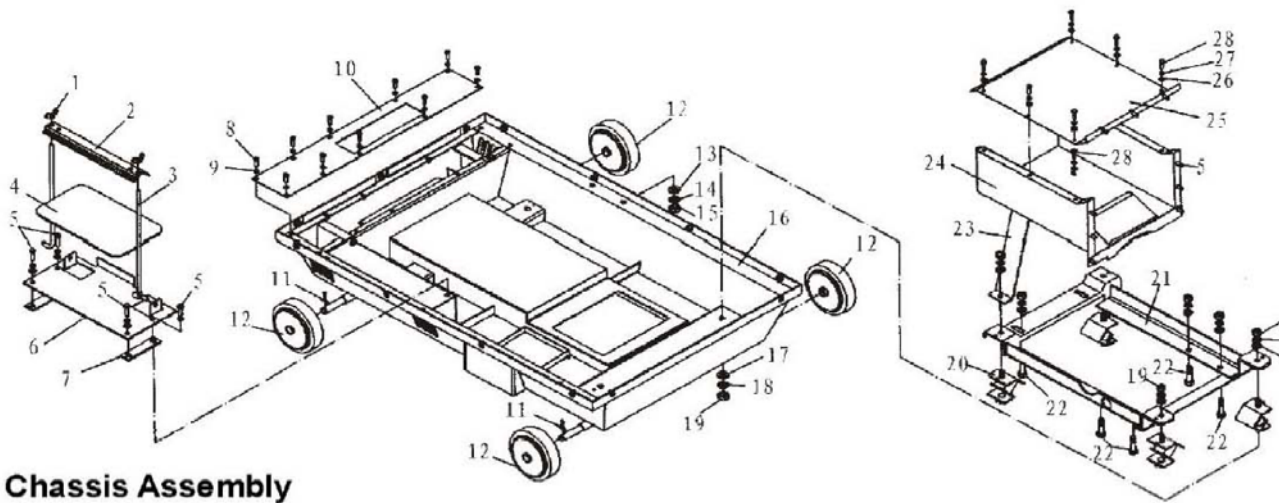
## (1) Diesel Engine Assembly

No.	Part. No	Description	Qty.	No.	Part. No	Description	Qty.
1	SU186FAGD-00000	Air Cooled Diesel	1	8	SDE5000T-01300	Buffer Support Plate Unit	1
2	GB/T97.1-1985	Gasket 6	2	9	GB/T5783-2000	Bolt M6x30	2
3	SDE5000T-01100	Front Air Cover Weldment	1	10	GB/T5783-2000	Hexagonal Bolt M6x30	2
4	GB/T5783-2000	Hexagonal Bolt M8x16	2	11	SDE5000T-01500	Fuel Pipe Pressure Plate Unit	1
5	GB/T93-1987	Elastic Gasket 8	2	12	SDE5000T-01200	Rear Air Cover Weldment	1
6	GB/T97.1-1985	Gasket 8	2	13	GB/T93-1987	Elastic Gasket 8	2
7	GB/T5783-2000	Hexagonal Bolt M8x20	2				



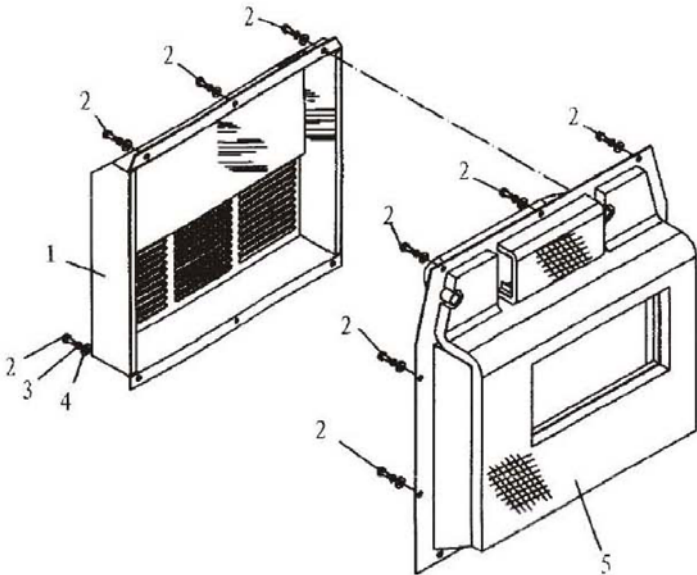
## (2) Electric Machine Assembly

No.	Part. No	Description	Qty.	No.	Part. No	Description	Qty.
1	SDE5000T-02200	Electric Machine Unit	1	11	GB/810-1988	Round Nut M5	2
2	8 SU.0341.01	Front Cover of Electric Machine	1	12	8SU.203.009	Bolt M5 ( locking stator )	2
3	GB/T5783-2000	Hexagonal Bolt M8x30	4	13	GB/T5783-2000	Bolt M6 ( locking front cover )	4
4	GB/5786-1986	Screw M5x12	7	14	8 SU.0342.01	Rear Cover of Electric Machine	1
5	8 SU.4351.01	Fan	1	15	D104	Carbon Brush	1
6	5 SU.6741.01	Rotor	1	16	GB/5786-1986	Screw M5x14	2
7	6204DU	Clip	1	17	AVR	Excitation AVR	1
8	8 SU.214.009	Gasket	1	18	GB/5786-1986	Screw M5x16	3
9	8 SU.202.009	Bolt ( locking rotor )	1	19	3510	Rectifier	1
10	5 SU.6801.01	Stator	1	20	SDE5000T-02100	Air Cover of Electric Machine Weldment	1



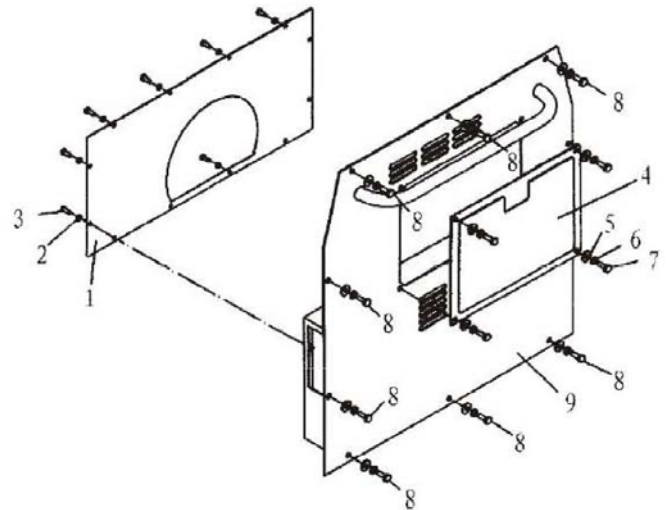
### (3) Chassis Assembly

No.	Part. No	Description	Qty.	No.	Part. No	Description	Qty.
1	GB/62-1988	Wing Nut M6	2	15	GB/T6170-2000	Nut M8	5
2	SDE5000T-03003	Accumulator Pressure Plate	1	16	SDE5000T-03100	Chassis Weldment	1
3	SDE5000T-03002	Accumulator Mount Rod	2	17	GB/T97.1-1985	Gasket 10	14
4	SDE5000T-03018	Accumulator Washer	1	18	GB/T93-1987	Elastic Gasket 10	14
5	GB/T5783-2000	Hexagonal Bolt M6x20	13	19	GB/T6170-2000	Nut M10	14
6	SDE5000T-03001	Accumulator Support Plate	1	20	SDE5000T-03700	Cushion	4
7	SDE5000T-03017	Accumulator Support Plate Washer	2	21	SDE5000T-03400	Housing Base Frame Weldment	1
8	GB/T818-1985	Screw M5x12	10	22	GB/T5783-2000	Hexagonal Bolt M10x40	6
9	GB/T93-1987	Elastic Gasket 5	10	23	SDE5000T-03510	Support Plate of Heat Insulation Weldment	1
10	SDE5000T-03300	Ventage Plate of Electric Machine	1	24	SDE5000T-03200	Lower Body of Heat Insulation Weldment	1
11	GB/T91-1986	Cotter Pin	4	25	SDE5000T-03016	Heat Insulation Cover Plate	1
12	SDE5000T-03600	Castor	4	26	GB/T97.1-1986	Gasket 6	8
13	GB/T97.1-1985	Gasket 8	17	27	GB/T93-1987	Gasket 6	8
14	GB/T93-1987	Elastic Gasket 8	17	28	GB/T5783-2000	Bolt M6x20	8



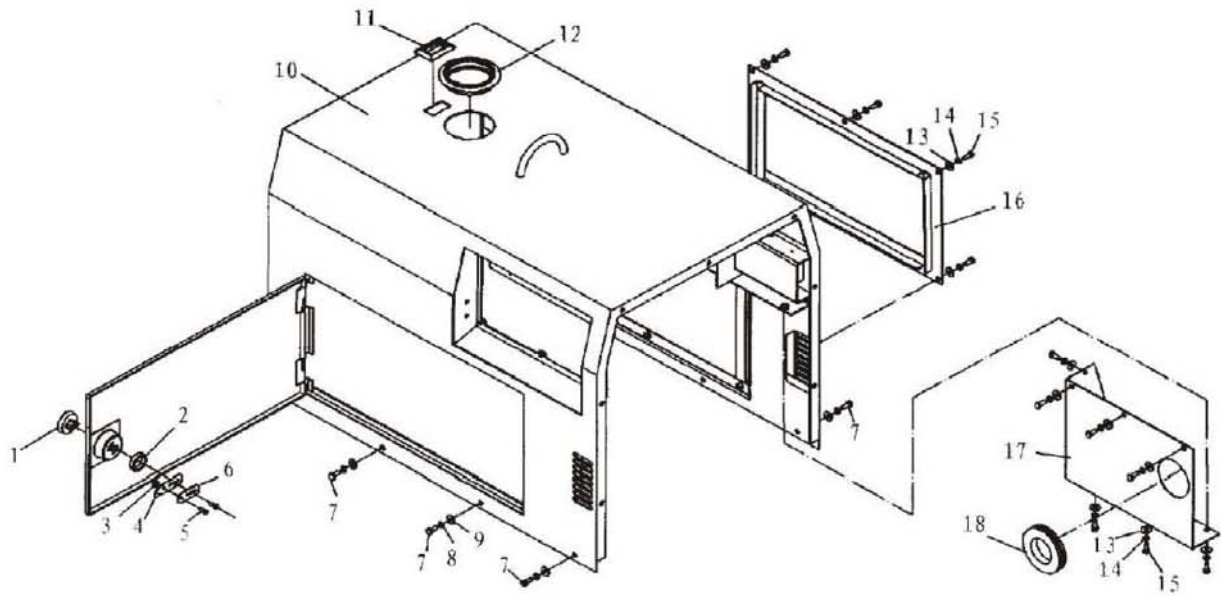
### (4) Left Side Plate

No.	Part. No	Description	Qty.
1	SDE5000T-04140	Radiator Unit	1
2	GB/T5783-2000	Hexagonal Bolt M6x16	16
3	GB/T93-1987	Elastic Gasket 6	16
4	GB/T96-1985	Big Gasket 6	16
5	SDE5000T-04100	Left Side Plate Weldment	1



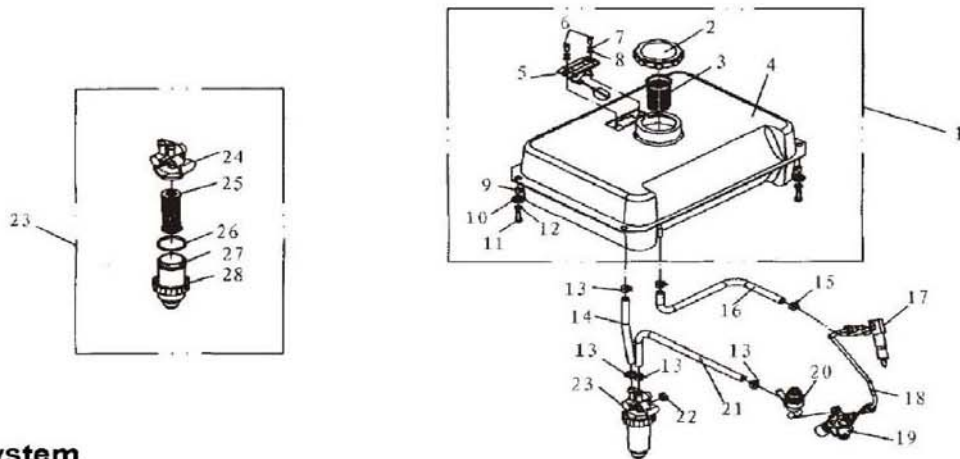
### (6) Right Side Plate

No.	Part. No	Description	Qty.
1	SDE5000T-06011	Tank Cover Plate	1
2	GB/T93-1987	Elastic Gasket 5	10
3	GB/T818-1985	Screw M5x12	10
4	SDE5000T-06200	Air Cleaner Cover Plate	1
5	GB/T96-1985	Big Gasket 6	4
6	GB/T93-1987	Elastic Gaske 6	4
7	GB/T5783-2000	Bolt M6x16	4
8	GB/T5783-2000	Hexagonal Bolt M6x16	10
9	SDE5000T-06100	Right Side Plate Weldment	1



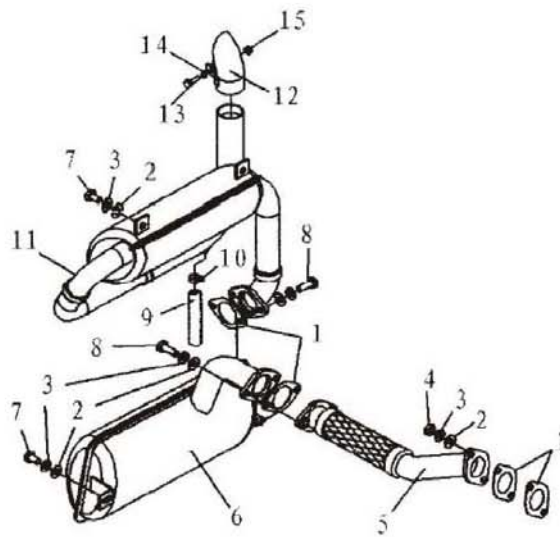
### (5) Housing Unit

No.	Part. No	Description	Qty.	No.	Part. No	Description	Qty.
1	SDE5000T-05018	Lock Knob	1	10	SDE5000T-05100	Housing Weldment	1
2	SDE5000T-05019	Washer	1	11	SDE5000T-05023	Window Mount Sheath	1
3	GB/T6172-2000	Nut M5	1	12	SDE5000T-05017	Fuel Tank Vent Cushion	1
4	SDE5000T-05022	Lock	1	13	GB/T96-1985	Big Gasket 6	13
5	GB/T818-1985	Screw M5X12	2	14	GB/T93-1987	Elastic Gasket 6	13
6	SDE5000T-05021	Lock Mount Plate	1	15	GB/T5783-2000	Bolt M6x16	13
7	GB/T5783-2000	Hexagonal Bolt M6x16	8	16	SDE5000T-05200	Rear Plate Weldment	1
8	GB/T93-1987	Elastic Gasket 6	8	17	SDE5000T-05026	Filter Seal Plate	1
9	GB/T96-1985	Big Gasket 6	8	18	SDE5000T-05025	Air Cleaner Cushion	1



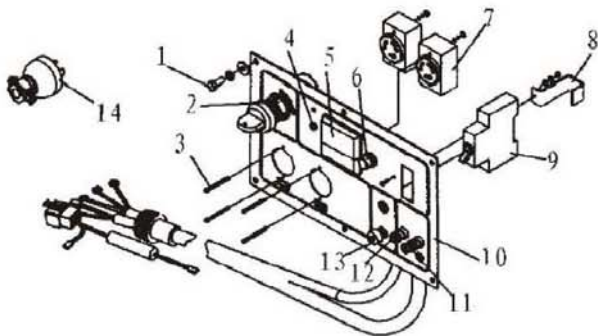
### (7) Fuel System

No.	Part. No	Description	Qty.	No.	Part. No	Description	Qty.
1	SDE5000T-07500	Fuel Tank	1	15	SDE5000T-07006	Clip II	2
2	SDE5000T-07200	Fuel Tank Cover	1	16	SDE5000T-07007	Oil Return Pipe	1
3	SDE5000T-07001	Filler Filter	1	17	SU186FA-13000	Nozzle Tip	1
4	SDE5000T-07100	Fuel Tank Weldment	1	18	SU186FA-10501	High Pressure Fuel Pipe	1
5	SDE5000T-07400	Oil Indicator	1	19	SU186F-12000	Fuel Pump Unit	1
6	GB/T818-1985	Screw M5x12	2	20	SU178FAGI-11200	Fuel Control Valve Unit	1
7	GB/T93-1987	Elastic Gasket 5	2	21	SDE5000T-07005	Fuel Pipe II	1
8	GB/T97.1-1985	Gasket 5	2	22	GB/T6170-2000	Nut M8	1
9	SDE5000T-07002	Sheath	4	23	TR180N-10300	Diesel Air Cleaner Unit	1
10	SDE5000T-07003	Cushion	4	24	SR180N-10301	Diesel Air Cleaner Seat	1
11	GB/T5783-2000	Bolt M6x16	4	25	SR180N-10310	Element Unit	1
12	GB/T97.1-1985	Gasket 6	4	26	SR180N-10304	Seal Sheath	1
13	SDE5000T-07004	Clip I	4	27	SR180N-10308	Filter Cup	1
14	SDE5000T-07005	Fuel Pipe I	1	28	SR180N-10307	Fasten Cap	1



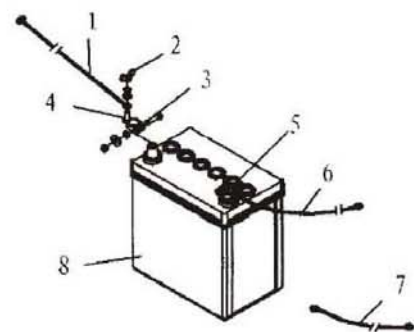
### (8) Muffler Assembly

No.	Part. No	Description	Qty.	No.	Part. No	Description	Qty.
1	SU186F-02015	Exhaust Pipe Washer	4	9	SDE5000T-08003	Tail-end Gas Outlet Hose	1
2	GB/T97.1-1985	Gasket 8	9	10	SDE5000T-07004	Clip I	1
3	GB/T93-1987	Elastic Gasket 8	9	11	SDE5000T-08300	Second-lever Muffler Unit	1
4	GB/T6170-2000	Nut M8	2	12	SDE5000T-08410	Tail-end Gas Return Outlet Weldment	1
5	SDE5000T-08100	Exhaust Pipe Unit	1	13	GB/T5783-2000	Bolt M6x30	1
6	SDE5000T-08200	One-lever Muffler Unit	1	14	GB/T97.1-1985	Gasket 6	1
7	GB/T5783-2000	Bolt M8x16	3	15	GB/T6170-2000	Nut M6	1
8	GB/T5783-2000	Bolt M8x30	4				



### (9) Control Panel

No.	Part. No	Description	Qty.
1	GB/T818-1985	Screw M6x12	6
2	JS425	Electric Lock	1
3	GB/T818-1985	Screw M3x30	4
4	φ5 Light	Oil Pressure Indicator Light	1
5	MU45 0~300V	AC Voltmeter	1
6	BLX	Fuse	1
7	250V 26A	Receptacle	2
8	SDE5000T-09102	Air Switch Mount	1
9	GB10963/B20/1P	Air Switch	1
10	SDE5000T-09101	Control Panel	1
11	910A Black	12V Cathode Wiring Terminal	1
12	910A Red	12V Positive Wiring Terminal	1
13	GB806-1988 M6	Control Panel Terminal	1
14	250V 26A	Plug	1

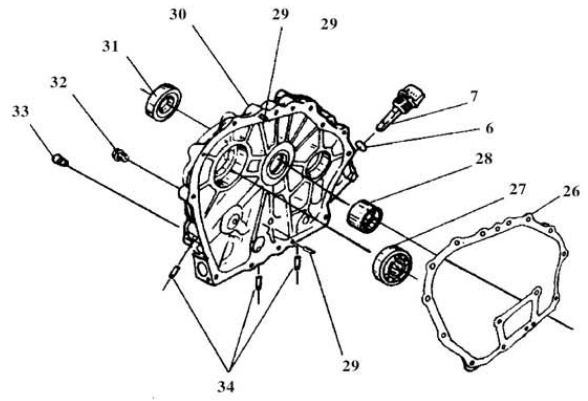
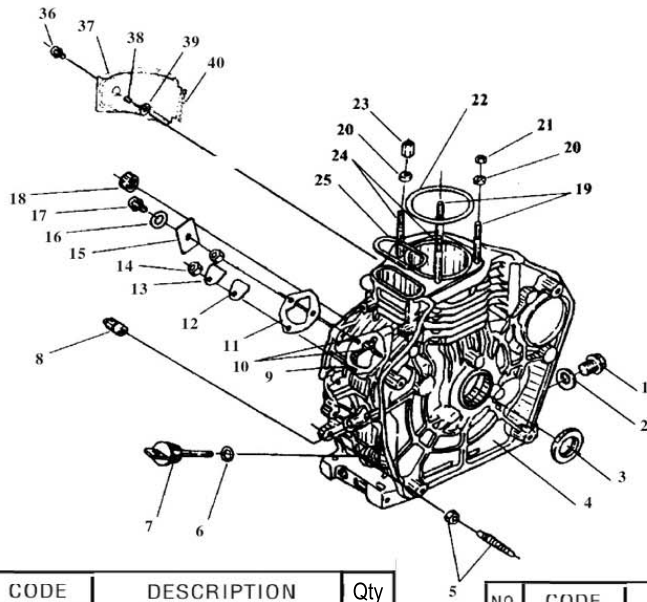


### (10) Accumulator

No.	Part. No	Description	Qty.
1	SDE5000T-09303	Accumulator Positive Wiring	1
2	GB/62-1988	Wing Nut M6	2
3	GB/T5783-2000	Bolt M6x25	2
4	SDE5000T-09502	Accumulator Positive Wiring Clip	1
5	SDE5000T-09501	Accumulator Cathode Wiring Clip	1
6	SDE5000T-09302	Accumulator Wiring Terminal	1
7	SDE5000T-09301	Generator Wiring Terminal	1
8	12V 36Ah	Accumulator	1

# 1 CYLINDER BLOCK ASSEMBLY

SU186FA



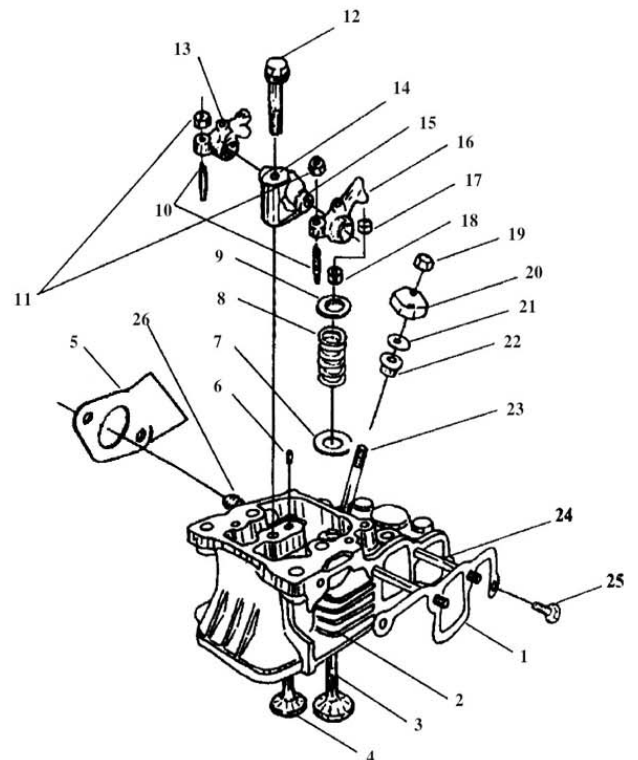
NO.	CODE	DESCRIPTION	Qty
1	7001017	Drain Plug	1
2	7001100	Oil Plug Seal Assem	1
3	9701351	Oil Seal SG30*45*8   SG35*50*10	1
4	8601001	Cylinder Block	1
5	8611200	Fuel Controller Assem	1
6	9702024	O-Ring24*2.4	2
7	7801002	Oil Filler Cap	2
8	9802008	Needle Bearing7941/8	2
9	7001012	Stud Plate(Short)	1
10	7001011	Stud Plate(Long)	2
11	7012001	Fuel Injection Pump Gasket	By necessity

NO.	CODE	DESCRIPTION	Qty
12	7012003	Seal Gasket	1
13	7012002	Seal Plate	1
14	9901061	Nut M6	3
15	7001009	Retainer	1
16	9903080	Washer8	1
17	9902081	Bolt M8*12	1
18	9802015	Needle Bearing37941/15	1
19	8601003	Cylinder Head Stud(Short)	2
20	8601007	Cylinder Head Washer	4
21	8601005	Cylinder Head Nut(Short)	2
22	8601013	Cylinder Head Gasket	1
23	8601006	Cylinder Head Nut(Long)	2

NO.	CODE	DESCRIPTION	Qty
24	8601004	Cylinder Head Stud(Long)	2
25	8601008	Ring	1
26	8601015	Crank Case Gasket	1
27	9801207	Ball Bearing D205   D206   D207	1
28	8601014	Main Bearing	1
29	9905081	Pin8*12	2
30	8601016	Crank Case Cover	1
31	9701351	Oil Seal SG25*42*10   SG30*45*10   SG35*50*10	1
32	9902083	Bolt M8*33.5	16
33	7001019	Plug	1
34	7001021	Plunger8	3
35		BoltM6*25	
36		BoltM6*14	1
37	8601018	Air Gover	1
38	7801502	Air Gover Collar	1
39	7801601	Shock Absorber	1
40	7801603	Shock Absorber Seat	1

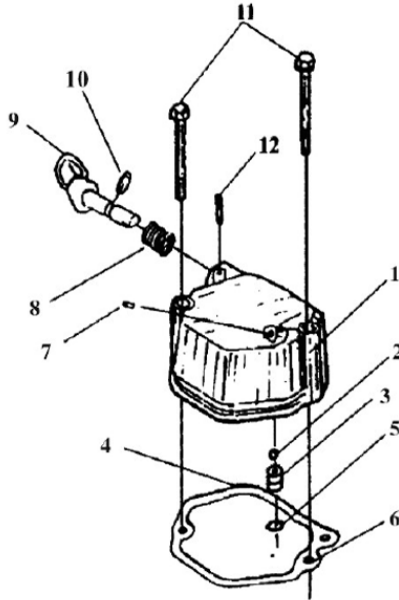
# 2 CYLINDER HEAD ASSEMBLY

NO.	CODE	DESCRIPTION	Qty
1	8602014	Air intake Gasket	1
2	8602200	Cylinder Head	1
3	8602003	Intake Valve	1
4	8602004	exhaust valve	1
5	8602015	Silencer Gasket	1
6	9905041	Pin4*8	1
7	8602007	Valve Spring Washer	2
8	8602005	Valve Spring	2
9	8602002	Spring Retainer	2
10	7002105	Valve Screw	2
11	9901060	Nut M6	2
12	8602106	Rocker Arm Bolt	1
13	8602103	Exhaust Valve Rocker Arm	1
14	8602102	Rocker Arm Support	1
15	8602101	Rocker Arm Shaft	1
16	8602104	Intake Valve Rocker Arm	1
17	8602016	Valve Adjusting Plate	2
18	8602001	Cotter	4
19	9901061	Nut M6	2
20	7002009	Nozzle Retainer	1
21	7002018	Spacer Washer	1
22	7002011	Spacer	1
23	9909062	Stud AM6*50	2
24	9909064	Stud AM6*55   AM6*75	2
25	9902070	Bolt M6*25	3
26	9909081	Stud AM8*20	2



# 3 CYLINDER HEAD BONNET ASSEMBLY

SU186



NO.	CODE	DESCRIPTION	Qty
1	8603001	Cylinder Head Bonnet	1
2	7003201	Ball	1
3	7003202	Breather Assem	1
4	7003203	Pin	1
5	9702012	O-Ring12*1.9	1
6	8603003	Bonnet Gasket	1
7	7001021	Plunger8*10	1
8	7003004	Decompression Spring	1
9	7003100	Decompression Shaft Assem	1
10	9702010	O-Ring10*1.9	1
11	9902075	Bolt	2
		M6*55	M6*70
12	9905316	Pin3*16	1

## 4 PISTON & CONNECTING ROD ASSEMBLY

NO.	CODE	DESCRIPTION	QTY	
1	8604100	Oil Ring Assem	1	
2	8604101	First Gas Ring	1	
3	8604102	Second Gas Ring	1	
4	8604103	Piston	1	
5	8604104	Piston Pin	1	
6	9906023	Washer	1	
		19	21	23
7	8604201	Connecting Rod Body	1	
8	8604203	Rod Nut	2	
9	8604205	Rod Bolt Nut	2	
10	9905310	Pin3*10	2	
11	8604202	Crank Pin Box	1	
12	8604204	Rod Bolt Washer	2	
13	8604205	Crank Pin Bearing	2	

## 5 CRANK SHAFT & FLYWHEEL ASSEMBLY

NO.	CODE	DESCRIPTION	Qty	
1	9801203	Ball Bearing	2	
		202	203	
2	8605007	Balancer Shaft	1	
3	9904051	Key5*7	2	
4	8605006	Balancer Gear	1	
5	8605004	Crank Shaft Timing Gear	1	
6	8605201	Crank Shaft	1	
7	7005202	Plunger6	1	
8	9904052	Key5*12	1	
8-1	9904053	Key5*14	1	
9	9904061	Key	1	
		5*45	6*50	
10	8605101	Fly wheel	1	
11	8605102	Fly Wheel Gear	1	
12	8605003	Fly Wheel Nut Washer	1	
13	8605002	Fly Wheel Nut	1	
14	8605001	Starter Pulley	1	
15	9902062	Bolt M6*12	4	
16	9801308	Ball Bearing	1	
		6306	6307	6308
17	8605009	Balancer Gear	1	

## 6 CAMSHAFT ASSEMBLY

NO.	CODE	DESCRIPTION	QTY	
1	8606100	Valve Rod Assem	2	
2	8606003	Valve Tappet	2	
3	8606002	Camshaft Timing Gear	1	
4	9904053	Key	1	
		5*14	4*12	5*14
5	8606001	Camshaft	1	

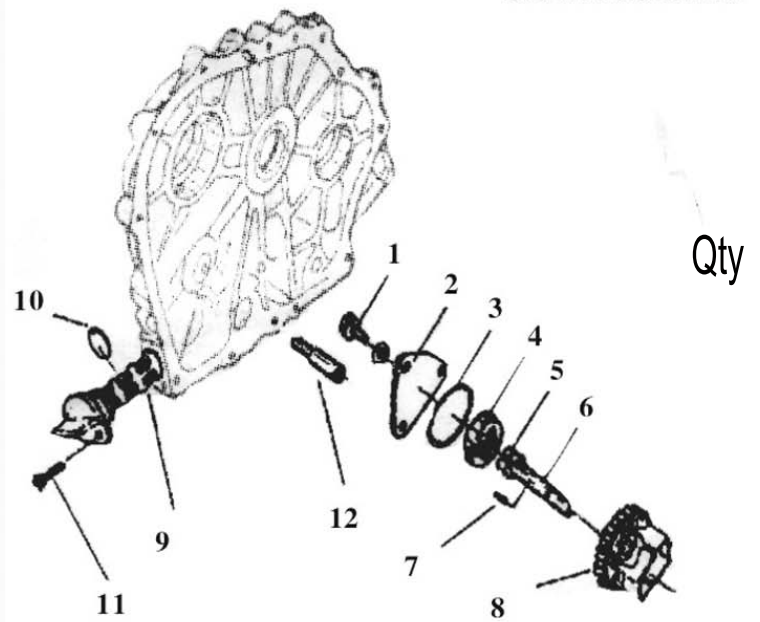
## 7 AIR CLEANER ASSEMBLY

NO.	CODE	DESCRIPTION	QTY
1	8607001	Air Cleaner Gasket	1
2	8607401	Intake Pipe	1
3	8607300	Air Cleaner Bottom Case Assem	1
4	8607303	Shock Absorber Washer II	1
5	7007402	Air Cleaner Element Bolt	1
6	9901061	Nut6	3
7	8607100	Air Cleaner Element Assem	1
8	8607101	Air Cleaner Element Shock Absorber	1
9	8607203	Shock Absorber Washer I	1
10	8607201	Ring	1
11	8607211	Air Cleaner Shock Absorber	1
12	8607107	NutM6	1
		12	
13	9903080	Washer	1
		8	
14	8607200	Air Cleaner Cover Assem	1

# 8 LUBE OIL SYSTEM

SU178/SU186

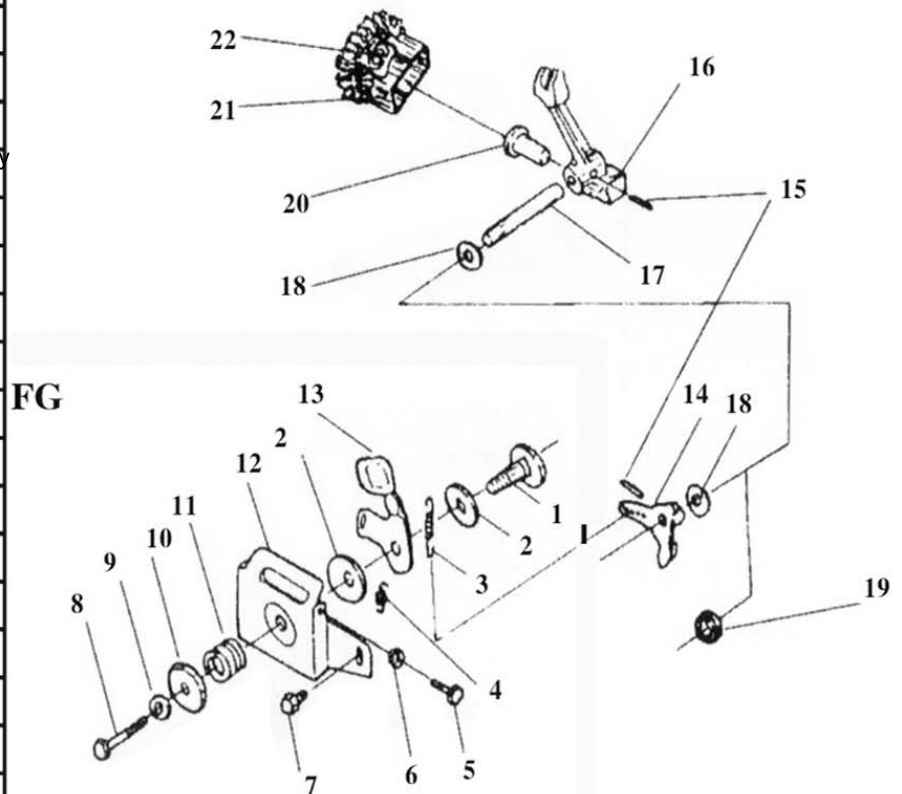
NO.	CODE	DESCRIPTION	Qty
1	9902061	Bolt M6*8	3
2	7009003	Oil Pump Cover	1
3	9702345	O-Ring34.5*1.8	1
4	7009103	Outer Rotator	1
5	700901	Inner Rotator	1
6	869102	Oil Pump shaft	1
7	9905031	Pin3*18	1
8	7809004	Oil Pump Gear	1
9	7809200	Oil filter Assem	1
10	9702025	O-Ring25*2.4	1
11	9902064	Bolt M6*14	1
12	7809005	Intake Pipe	1



# 9 GOVERNOR & CONTROL SYSTEM

SU170/SU178/SU186

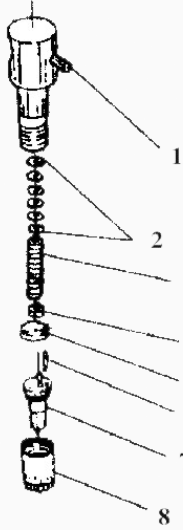
NO.	CODE	DESCRIPTION	Qty
1	7011401	Control Handle Shaft	1
2	7011402	Governor Handle Shaft Washer	2
3	7011006	Governor spring	1
4	7011005	Return Spring II	1
5	7011406	High speed Limit Screw	1
6	9901060	Nut M6	1
7	9902064	Bolt M6*14	1
8	9902069	Bolt M6*20	1
9	9901010	Nut M10*1.25	1
10	7011407	Bowl-Shape Cover	1
11	7011405	Spring	1
12	7011404	Handle Bracket	1
13	7011403	Control Handle	1
14	7011110	Governor Lever Welded Part	1
15	9700322	Pin3*22	2
16	8611601	Lever Fork	1
17	7011102	Lever Shaft	1
18	7011003	Governor Lever Washer	3
19	7011008	Seal8×14×2.5	1
20	7011004	Tappet	1
21	7011001	Fly Block	2
22	7011002	Fly Block Pin	2





# 10 FUEL NOZZLE ASSEMBLY

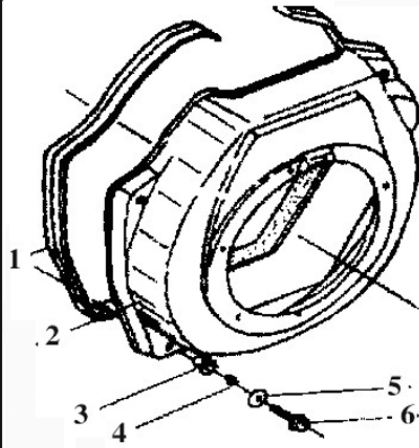
## SU170/SU178/SU186



NO.	CODE	DESCRIPTION	Qty
1	7013200	Nozzle Holder Assem	1
2	7013007	Shim Pack	When Necessary
3	7013006	Nozzle Spring	1
4	7013005	Spring Retainer	1
5	7013003	Stop Plate	1
6	7013004	Pin	2
7	8613100	Nozzle Valve	1
8	7013002	Nozzle Case Nut	1

# 11 COOLING DEVICE ASSEMBLY

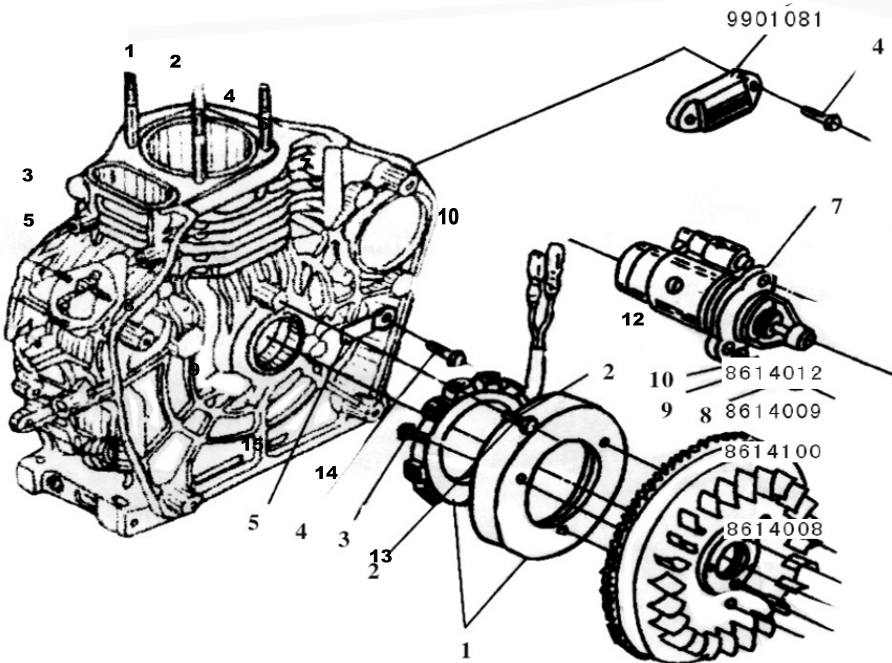
## SU186



NO.	CODE	DESCRIPTION	Qty
1	8617003	Shock Absorber Seat	1
2	8617100	Fan Case Welded Assem	1
3	7017002	Shock Absorber	4
4	7017003	Collar	4
5	9903063	Washer6	4
6	9902070	Bolt M6*22	4

# 12 STARTER & GENERATOR ASSEMBLY

## SU170/SU178/SU186



NO.	CODE	DESCRIPTION	Qty
1	7016100	Fly Wheel Generator	1
2	9902067	Bolt M6*20	3
3	9902063	Screw M6*12	3
4	9902062	Bolt M6*12	3
5	7016003	Clamp	1
6	7016004	Regulator	1
7	7016005	Starting motor	1
8	9902103	Bolt M10*35	2
9	9903100	Washer10	2
10	9903101	Washer10	2