

PARTS MANUAL

MODEL
EH990DS

EH990DS0020

11/14



SUBARU

Industrial Power Products

Subaru Industrial Power Products

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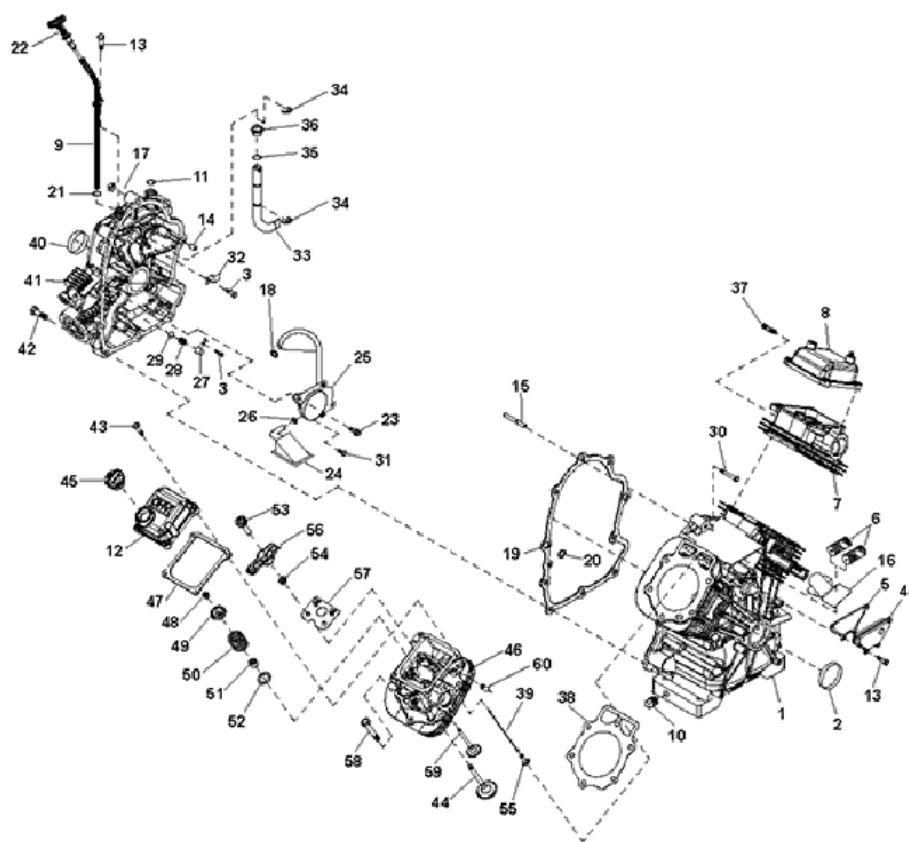
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100 Crankcase



61-Engine Gasket Set

0100 0003 000

100 Crankcase

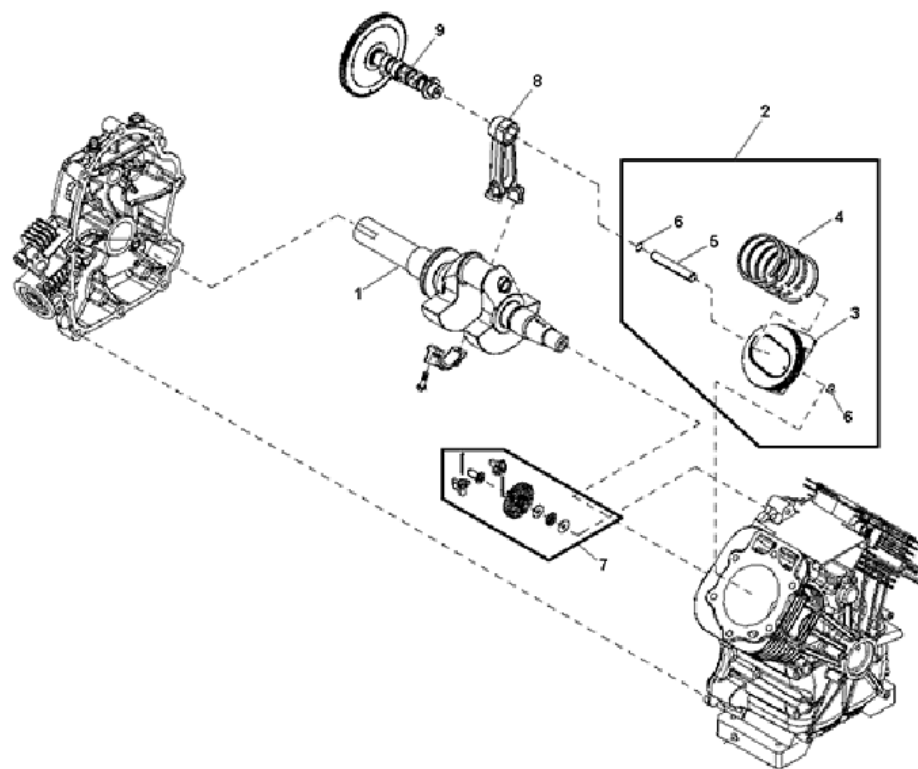
Ref	Part Number.	Description	Qty	Remark
1	22J-11854-80	CRANKCASE AY WITH SLEEVE	1	
2	22J-11153-40	SEAL, CRANKCASE	1	
3	22J-11038-80	SCREW	3	
4	22J-11910-00	BREAATHER DUAL VALVE AY	1	
5	22J-11300-50	GASKET, BREATHER COVER	1	
6	22J-11332-20	SEPARATOR, OILD BREATHER	2	
7	22J-11091-60	CYLINDER HEAD AY	1	
8	22J-11069-30	ROCKER COVER AY, W/PULSE BARB	1	
9	22J-11927-20	TUBE DIPSTICK	1	
10	22J-11478-80	PLUG	1	
11	22J-11299-30	SEAL, GOVERNOR SHAFT	1	
12	22J-11272-30	ROCKER COVER, W/OIL FILL	1	
13	22J-11614-70	SCREW	5	
14	22J-11786-99	SLEEVE, DOWEL PIN	2	
15	22J-11298-30	SHAFT, GOVERNOR	1	
16	22J-11855-80	BREATHER DIVERTER	1	
17	22J-11534-30	LOCKNUT	1	
18	22J-11908-60	O-RING	1	
19	22J-11297-70	GASKET, CRANK CASE	1	
20	22J-11594-30	SEAL, OIL PASSAGE	1	
21	22J-11302-70	O-RING 3/8 X 1/2	1	
22	22J-11266-40	DIPSTICK AY	1	
23	22J-11643-10	SCREW	2	
24	22J-11609-80	SCREEN, OIL PICKUP	1	
25	22J-11412-30	OIL PUMP AY W/O O-RING	1	
26	22J-11815-20	O-RING	1	
27	22J-11301-11	COVER, OIL REKIEF	2	
28	22J-11300-90	SPRING, OIL RELIEF	2	
29	22J-11301-10	BALL, OIL RELIEF	2	
30	22J-11048-60	SCREW	1	
31	22J-11545-80	SCREW, PLASTITE HI-LOW	1	
32	22J-11599-80	CLAMP, OILTUBE	1	
33	22J-11166-70	ARM, GOVERNOR	1	
34	22J-11299-10	E-RING, GOVERNOR ARM	2	
35	22J-11298-80	THRUST WASHER, GOVERNOR	1	
36	22J-11299-20	BUSHING, GOVERNOR LEVER	1	
37	22J-114457-61	STUD	4	
38	22J-11297-80	GASKET, CYLINDER HEAD	2	

100 Crankcase

Ref	Part Number.	Description	Qty	Remark
39	22J-11985-30	PUSHROD	4	
40	22J-11203-50	SEAL, CRANKSHFT	1	
41	22J-11365-80	COVER AY, W/SLEEVE	1	
42	22J-11300-60	SCREW	9	
43	22J-11803-18	SCREW	8	
44	22J-11222-90	VALVE, INTAKE	2	
45	22J-11306-40	OIL FILL CAP AY	1	
46	22J-11091-70	CYLINDER HEAD AY, 2	1	
47	22J-11297-90	GASKET, VALVE COVER	2	
48	22J-11651-50	KEEPER, VALVE SPRING	8	
49	22J-11227-40	RETAINER, VALVE SPRING	4	
50	22J-11386-70	SPRING, VALVE	4	
51	22J-11867-20	SEAL, VALVE STEM	2	
52	22J-11537-10	WASHER, VALVE SPRING	4	
53	22J-11269-40	STUD, TOCKER ARM PIVOT	4	
54	22J-11399-80	NUT HEX	4	
55	22J-11389-70	TAPPET, SOLID	4	
56	22J-11531-30	TOCKER ARM	4	
57	22J-11967-90	PUSH ROD GUIDE PLATE	2	
58	22J-11297-60	SCREW	12	
59	22J-11147-80	VALVE EXHAUST	2	
60	22J-11869-90	SLEEVE, DOWEL PIN	4	
61	22J-99855-00	ENGINE GASKET SET	1	

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200 Crankshaft

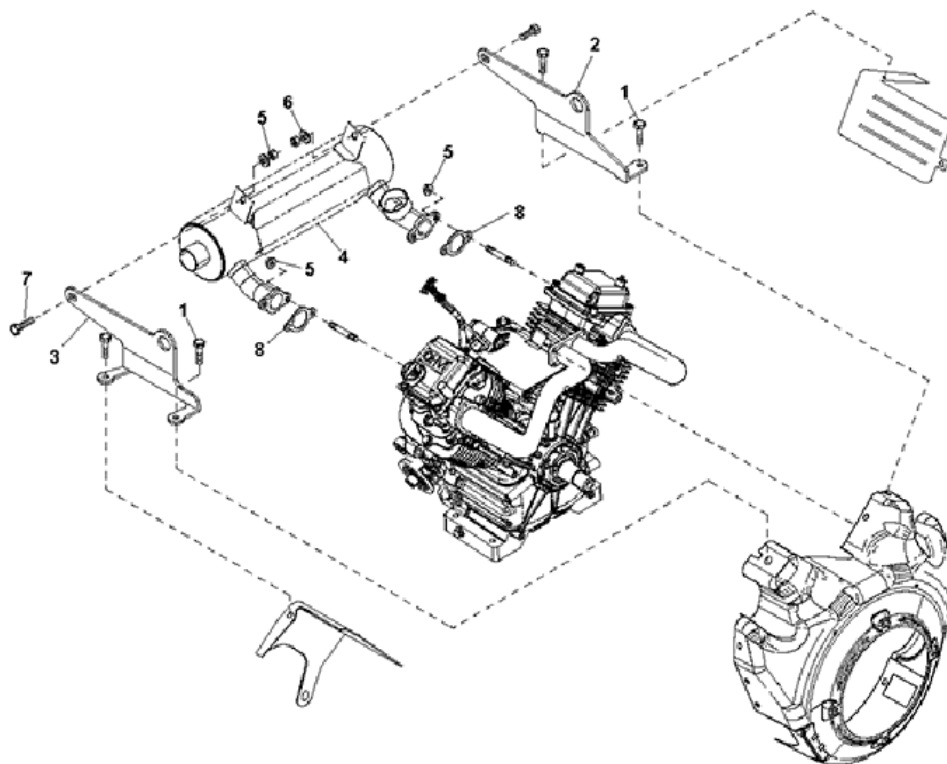


0200 0002 000

200 Crankshaft

Ref	Part Number.	Description	Qty	Remark
1	22J-20500-10	CRANKSHAFT AY, 1-7/16"	1	
1	22J-20500-C0	CRANKSHAFT AY, 1-1/8"	1	
2	22J-23163-30	PISTON AY (KIT)	1	
3	22J-23098-90	PISTON	2	
4	22J-23256-50	TING SET	2	
5	22J-23794-00	WRIST PIN	2	
6	22J-23198-30	RETAINER PISTON PIN	4	
7	22J-23336-70	GOVERNOR GEAR AY	1	
8	22J-23896-80	CONNECTING ROD AY	2	
9	22J-23797-40	CAMSHAFT AY	1	

300 Intake & Exhaust

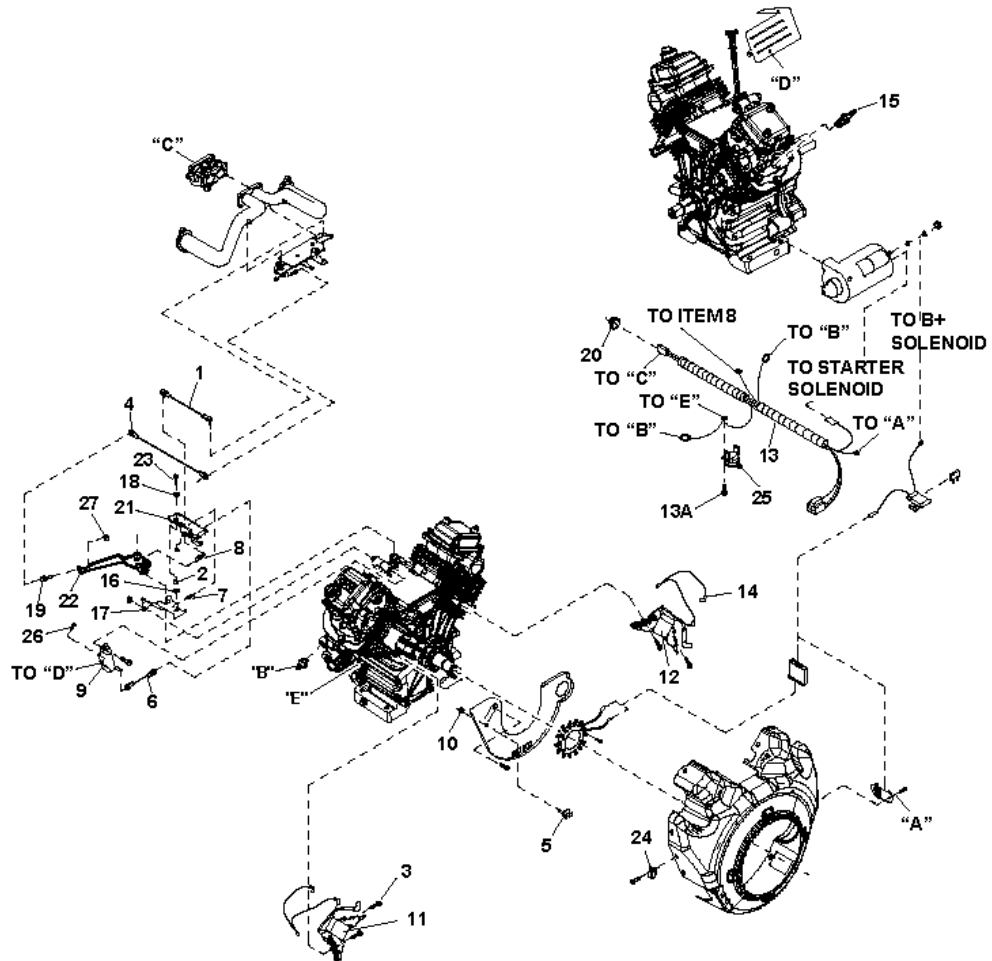


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300 Intake & Exhaust

Ref	Part Number.	Description	Qty	Remark
1	22J-33856-60	SCREW	4	
2	22J-33670-80	SUPPORT, MUFFLER W/LIFT EYE-RH	1	
3	22J-33670-81	SUPPORT, MUFFLER W/LIFT EYE-LH	1	
4	22J-33046-20	NUT, HEX W/TOOTH WASHER	6	
5	22J-33214-50	WASHER, FLAT	4	
6	22J-33214-50	WASHER, FLAT	4	
7	22J-33925-30	SCREW	2	
8	22J-33413-80	GASKET, EXHAUST PORT	2	

400 Govenor

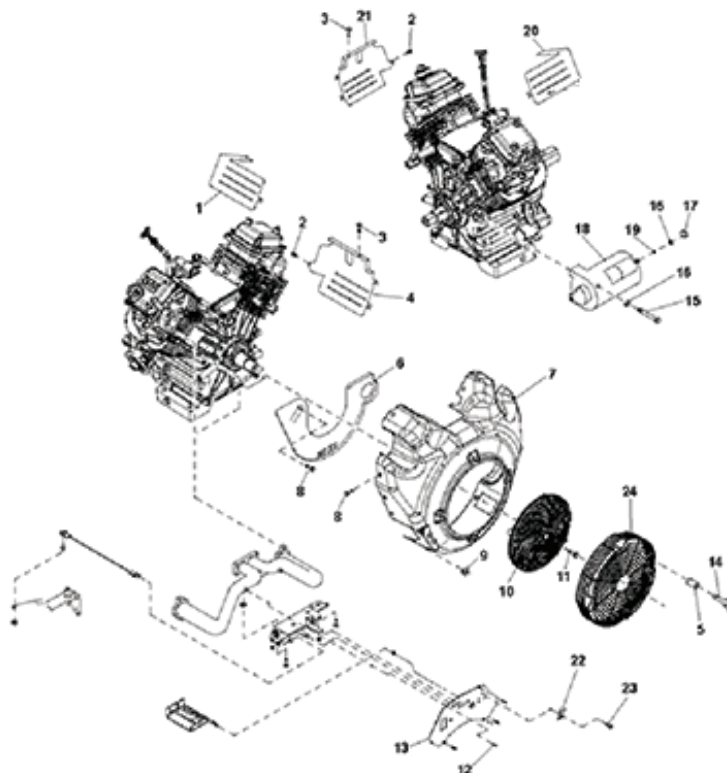


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400 Govenor

Ref	Part Number.	Description	Qty	Remark
1	22J-42154-30	IDLE ADJUSTMENT ROD AY	1	
2	22J-42778-20	WASHER, 3-WAVE	1	
3	22J-42311-10	SCREW	4	
4	22J-42260-50	GOVERNOR ROD AY	1	
5	22J-42499-70	GROUND WIRE CONNECTOR AY	1	
6	22J-42956-40	ROD, GOV. ADJUSTMENT	1	
7	22J-42148-80	SPRING, EFFORT REDUCTION	1	
8	22J-42115-00	SPRING, GOVERNOR	1	
9	22J-42055-30	IDLE SPEED BRACKET AY, W/5.7 BALL	1	
10	22J-42202-50	NUT, HEX LOCK	1	
11	22J-43224-01	IGNITION COIL AY, CYLINDER #1	1	
12	22J-43224-02	IGNITION COIL AY, CYLINDER #2	1	
13	22J-42498-30	WIRING HARNESS	1	
14	22J-42117-70	GROUNDING WIRE AY	1	
15	22J-42758-50	SPARK PLUG	2	
16	22J-42778-10	SHIM	1	
17	22J-42542-00	BRACKET, GOVERNOR ADJUST SUPPORT	1	
18	22J-42387-60	WASHER, FLAT	1	
19	22J-42634-20	BALL STUD	1	
20	22J-42873-90	ZIP TIE	1	
21	22J-42968-30	IDLE SPEED ADJUST AY	1	
22	22J-42019-50	GOVERNOR LEVER AY	1	
23	22J-42426-80	SCEW	1	
24	22J-42212-10	CLIP-J VINYL COATED	2	
25	22J-42409-00	THERMAL SWITCH	1	
26	22J-42164-40	SCREW	2	
27	22J-42978-40	NUT, HEX LOCK	1	

500 Cooling & Starting

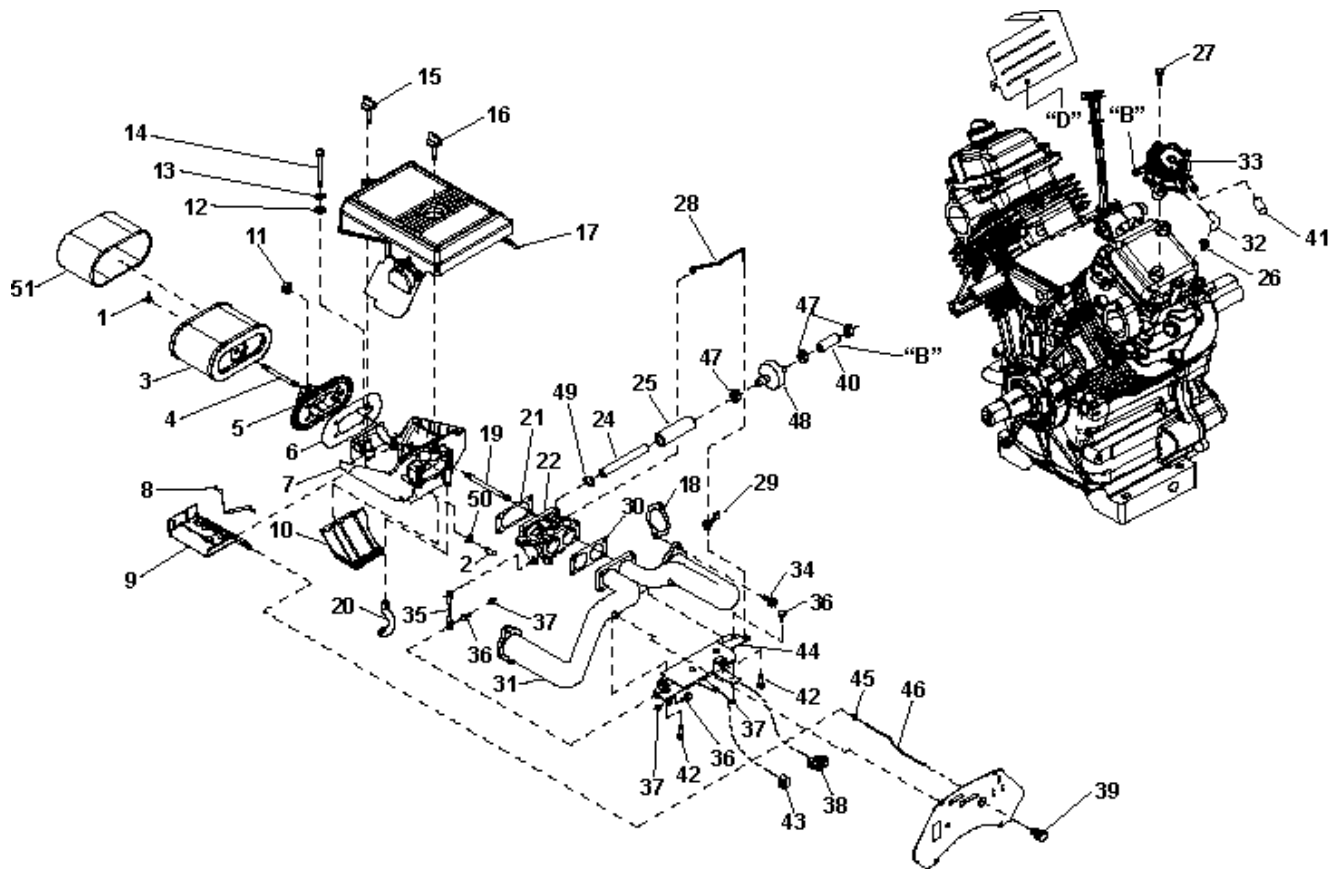


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500 Cooling & Starting

Ref	Part Number.	Description	Qty	Remark
1	22J-54301-80	WRAPPER, UPPER CYLINDER #1	1	
2	22J-54091-90	SCREW	2	
3	22J-54604-30	SCREW	2	
4	22J-54301-90	WRAPPER, LOWER CYLINDER #1	1	
5	22J-54314-60	SPACER, ROTATING SCREEN GUARD	4	
6	22J-54492-80	BACKIN PLATE, W/REG	1	
7	22J-54116-90	BLOWER HOUSING	1	
8	22J-11038-80	SCREW	14	
9	22J-54976-30	NUT, GROMMET 1/4 PLUG	4	
10	22J-54968-40	SCREEN, ROTATING FRONT PRO	1	
11	22J-54711-50	SCREW	4	
12	22J-54575-60	SCREW	4	
13	22J-54827-50	CINTROL PANEL	1	
14	22J-54381-40	KNOB, AIR CLEANER	4	
15	22J-54190-60	SCREW	2	
16	22J-54212-90	LOCK WASHER	3	
17	22J-54546-70	NUT, HEX	1	
18	22J-54427-10	STARTER, DELCO	1	
19	22J-33214-50	WASHER, FLAT	1	
20	22J-54114-30	WRAPPER, UPPER CYLINDER #2	1	
21	22J-54114-20	WRAPPER, LOWER CYLINDER #2	1	
22	22J-42419-00	CLAMP	3	
23	22J-54557-90	SCREW	3	
24	22J-54781-50	ROTATING SCREEN GUARD AY	1	

600 Fuel & Lubricant



0600 0005 000

600 Fuel & Lubricant

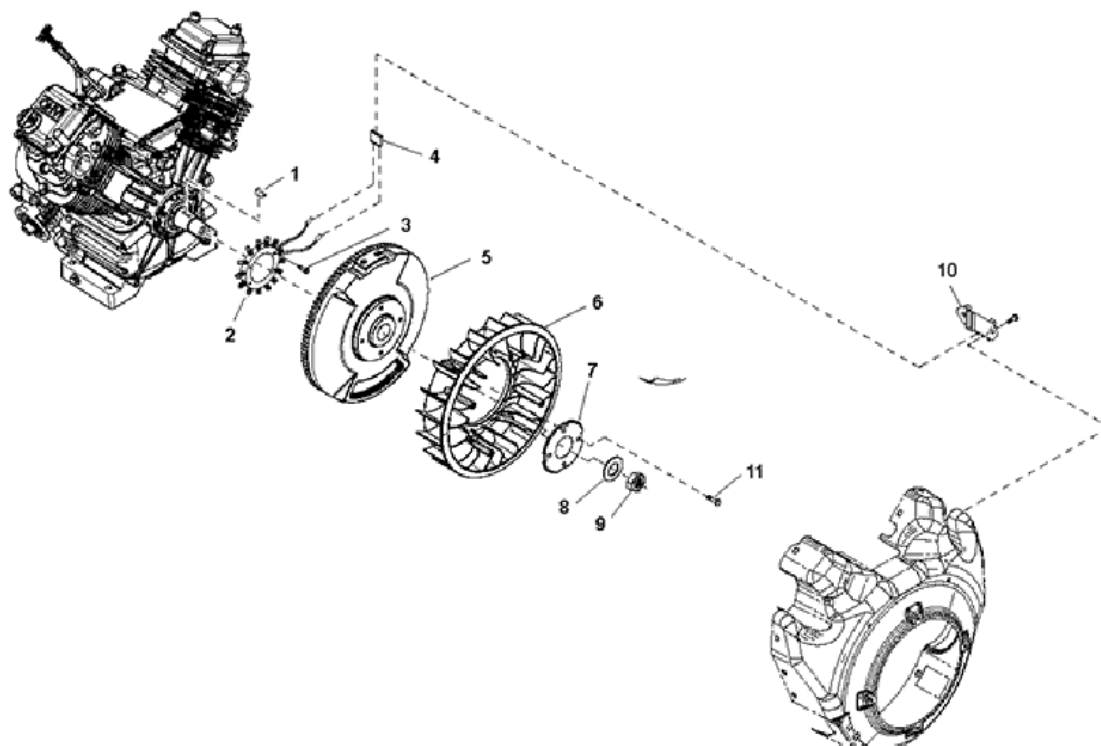
Ref	Part Number.	Description	Qty	Remark
1	22J-32659-20	WINGNUT, AIRBOX	1	
2	22J-62337-90	CAP EVAP PORT	1	
3	22J-32972-30	ELEMENT, AIR FILTER	1	
4	22J-32530-20	STUD, AIR FILTER	1	
5	22J-32418-30	ADAPTOR, SPIT BACK	1	
6	22J-32632-70	GASKET, SPIT BACK	1	
7	22J-32277-40	BASE, AIRBOX	1	
8	22J-32512-50	SPRING, WINTER/SUMMER VALVE	1	
9	22J-32293-00	VALVE, WINTER/SUMMER	1	
10	22J-32461-20	SNORKEL, AIR INTAKE	1	
11	22J-32838-80	NUT, HEX FLANGE	4	
12	22J-32247-30	WASHER, FLAT	1	
13	22J-32209-70	WASHER, LOCK	1	
14	22J-32972-10	SCREW	1	
15	263-32382-00	KNOB, AIRBOX	1	
16	263-32382-10	KNOB, AIRBOX	1	
17	22J-32277-50	COVER, AIRBOX	1	
18	22J-32304-30	GASKET, INTAKE PORT	2	
19	22J-62602-10	STUD	4	
20	22J-32909-30	HOSE, BREATHER	1	
21	22J-62402-60	GASKET, CARBURETOR TO AIRBOX	1	
22	22J-62333-20	CARBURETOR W/BALL STUD EH90	1	
22	22K-62333-10	CARBURETOR W/BALL STUD-EH99	1	
24	22J-32917-60	HOSE	1	
25	22J-32440-90	SLEEVING, FLEXO	1	
26	22J-32803-10	CLAMP, HOSE BAND GREEN	1	
27	22J-62092-60	SCREW	2	
28	22J-42996-00	ROD, CHOKE	1	
29	22J-42136-60	BUSHING, GOVERNOR ROD	1	
30	22J-62051-00	GASKET, MANIFOLD TO CARBURETOR	1	
31	22J-33889-30	INTAKE MANF	1	
32	22J-62083-20	ELBOW, RUBBER 90 DEGREE PULSE	1	
33	22J-62626-30	PULSE, IMPULSE	1	
34	22J-33373-00	SCREW	4	

600 Fuel & Lubricant

Ref	Part Number.	Description	Qty	Remark
35	22J-42145-10	ROD, THROTTLE	1	
36	22J-42634-20	BALL STUD	3	
37	22J-42978-40	LOCK NUT	3	
38	22J-42726-40	KNOB CHOKE METAL LVR BLACK	1	
39	22J-42541-60	KNOB CONTROL WIN/SUM BLACK	1	
40	22J-42917-60	HOSE, X" ID X 3" LONG GREENBAR	1	
42	22J-42490-80	SCREW	2	
43	22J-42726-50	KNOB, VARIABLE SPEED, BLACK	1	
44	22J-42996-10	ASSEMBLY, CHOKE AND THROTTLE	1	
45	22J-42171-40	NUT	1	
46	22J-42541-10	ROD, SUMMER/WINTER VALVE	1	
47	22J-62366-20	CLAMP, HOSE	4	
48	22J-65631-30	FILTER, FUEL	1	
49	22J-65017-30	CLAMP	1	
50	22J-65803-10	CLAMP HOSE BAND	1	
51	22J-32451-10	PRECLEANER, AIR	1	
52	22J-62855-00	CARBURETOR KIT	1	
52-1		DRAIN SCREW O-RING	1	INCL'D IN CARB. KIT
52-2		FLOAT BOWL GASKET	1	INCL'D IN CARB. KIT
52-3		FLOAT BOWL O-RING	1	INCL'D IN CARB. KIT
52-4		FLOAT	1	INCL'D IN CARB. KIT
52-5		NEEDLE VALVE	1	INCL'D IN CARB. KIT
52-6		SLOW JET O-RING (SMALL)	2	INCL'D IN CARB. KIT
52-7		SLOW JET O-RING (LARGE)	2	

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700 Electric Device

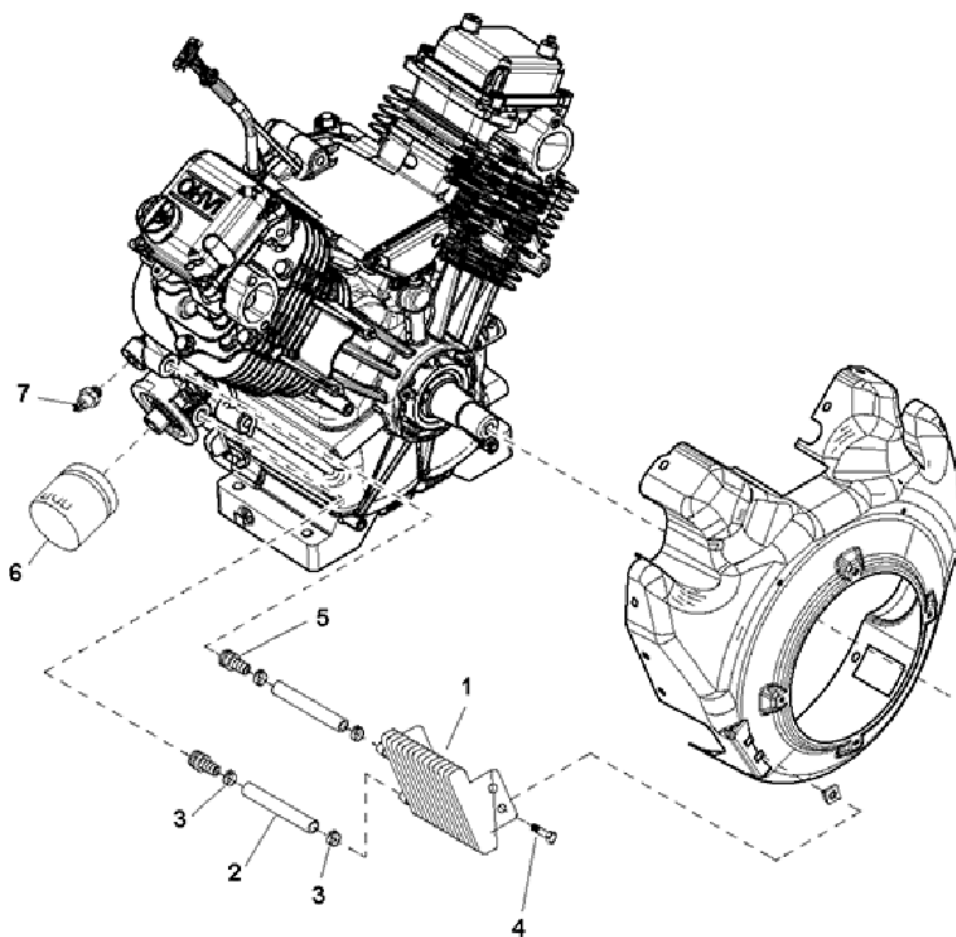


0700 0003 000

700 Electric Device

Ref	Part Number.	Description	Qty	Remark
1	22J-77277-40	WOODRUFF KEY	1	
2	22J-77115-30	STATOR, OUTLINE W/LUGS	1	
3	22J-42311-10	SCREW	4	
4	22J-77115-00	HOUSING	1	
5	22J-77116-00	ASSEMBLY, FLYWHEEL FRONT PTO	1	
6	22J-77303-10	FAN, FLYWHEEL	1	
7	22J-77956-00	CLAMP	1	
8	22J-77303-30	WASHER	1	
9	22J-77303-40	NUT	1	
10	22J-77270-20	REGULATOR, VOLTAGE (20A)	1	
11	22J-77495-70	SCREW	4	

720 Electric Device



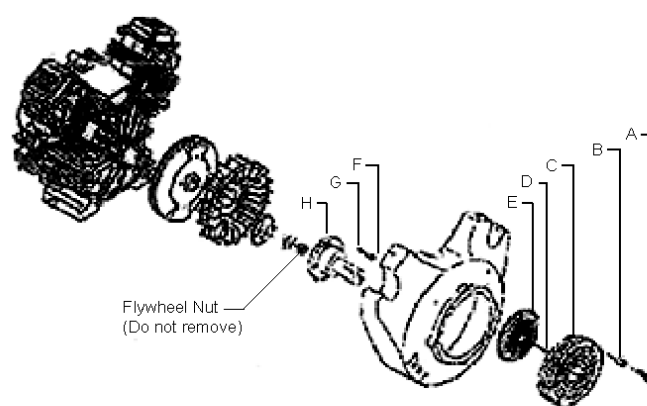
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720 Electric Device

Ref	Part Number.	Description	Qty	Remark
1	22J-65950-60	OIL COOLER	1	
2	22J-65469-50	HOSE	2	
3	22J-65366-20	CLAMP	4	
4	22J-65976-40	SCREW	4	
5	22J-65546-10	BARBED STR	2	
6	22J-65801-00	OIL FILTER	1	
7	22J-65682-00	SW OIL PRESS	1	

900 Accessories

FRONT PRO KIT 99657750



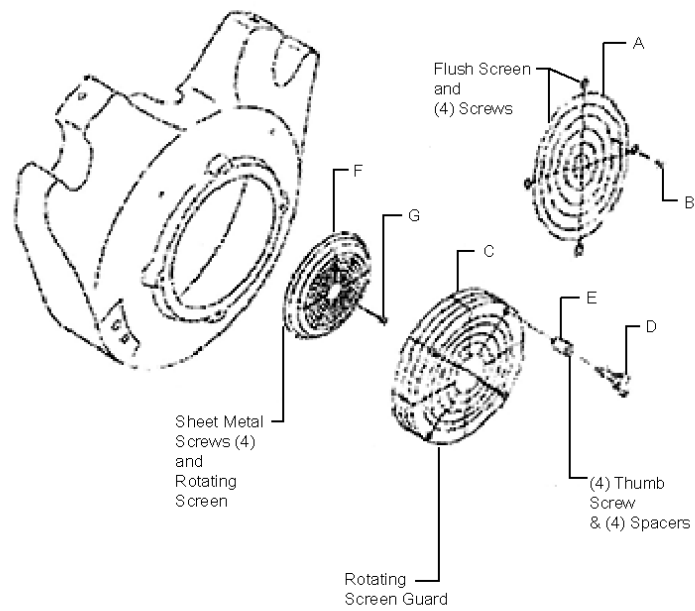
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900 Accessories

Ref	Part Number.	Description	Qty	Remark
A	22J-54381-40	KNOB (ROTATING SCREEN)	4	EXISTING PART
B	22J-54314-60	SPACER	4	EXISTING PART
C	22J-54781-50	ROTATING SCREEN GUARD	1	INCLUDED IN KIT
D	22J-54711-50	SCREW	4	EXISTING PART
E	22J-54968-40	ROTATING SCREEN	1	EXISTING PART
F	22J-54982-10	SCREW m8 1.25 X 30	4	INCLUDED IN KIT
G	22J-54411-80	WASHER M8	4	INCLUDED IN KIT
H	22J-22938-10	SHAFT	1	INCLUDED IN KIT

910 Accessories

FLUSH MOUNT SCREEN KIT 99657730



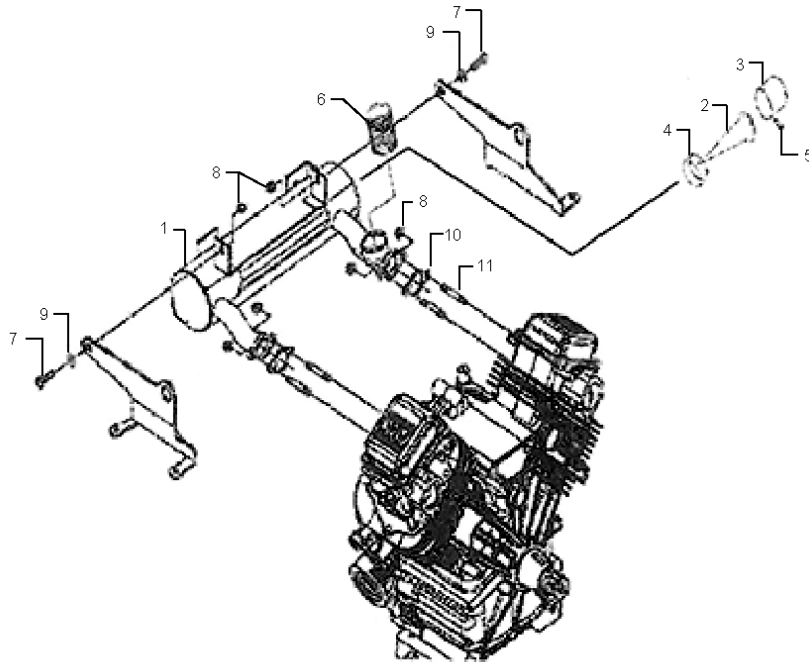
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910 Accessories

Ref	Part Number.	Description	Qty	Remark
A	22J-54113-10	FAN GUARD	1	INCLUDED IN KIT
B	22J-54575-60	SCREW	4	INCLUDED IN KIT
C	22J-54781-50	ROTATING SCREEN GUARD	1	EXISTING PART
D	22J-54381-40	KNOB (ROTATING SCREEN)	4	EXISTING PART
E	22J-54314-60	SPACER	4	EXISTING PART
F	22J-54968-40	ROTATING SCREEN	1	EXISTING PART
G	22J-54711-50	SCREW	4	EXISTING PART

920 Accessories

MUFFLER KIT LEFT HAND
STARTER SIDE DISCHAGE
99657710



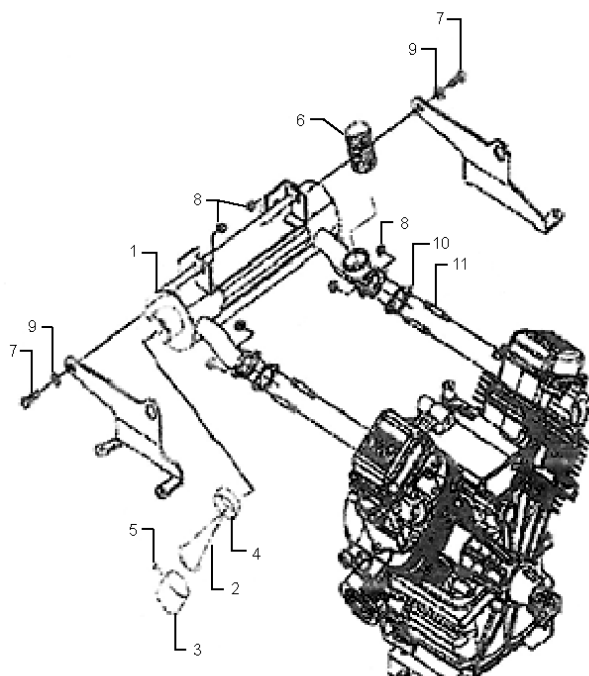
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920 Accessories

Ref	Part Number.	Description	Qty	Remark
1	22J-99363-80	MUFFLER CP LH OUTLER	1	INCLUDED IN KIT
2	22J-99513-30	SPARK ARRESTOR SCREEN	1	INCLUDED IN KIT
3	22J-99513-3A	SPARK ARRESTOR RETAINER	1	INCLUDED IN KIT
4	22J-99533-90	SPARK ARRESTOR SPACER	1	INCLUDED IN KIT
5	22J-99929-40	RETAINER SCREW	1	INCLUDED IN KIT
6	22J-99614-30	HEAT RISER TUBE	1	INCLUDED IN KIT
7	22J-33925-30	SCREW	2	EXISTING PART
8	22J-33046-20	NUT INC TOOTH WASHER	6	EXISTING PART
9	22J-33214-50	FLAT WASHER	2	EXISTING PART
10	22J-33413-80	MANIFOLD GASKET	2	EXISTING PART

930 Accessories

MUFFLER KIT RIGHT HAND
OIL FILTER SIDE DISCHARGE
99657700



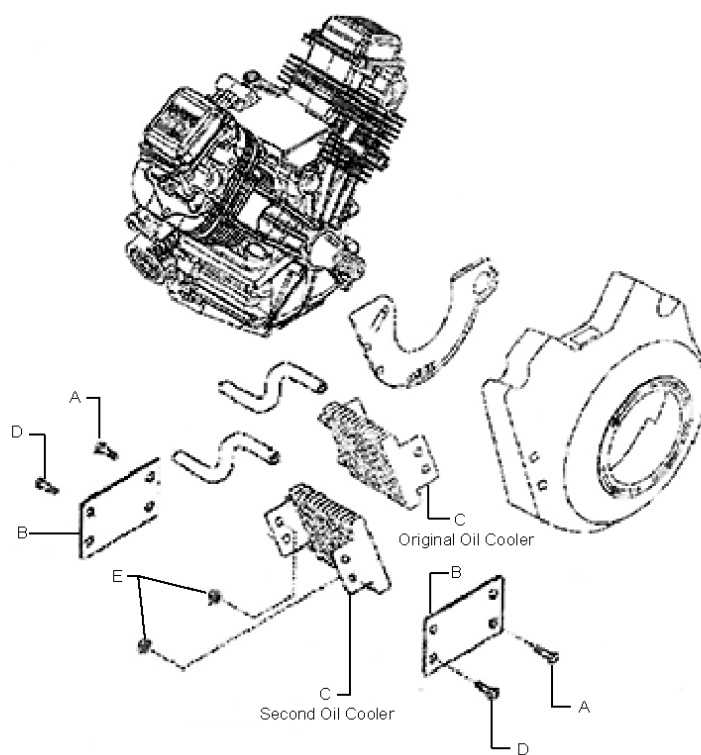
0930 0001 000

930 Accessories

Ref	Part Number.	Description	Qty	Remark
1	22J-99363-80	MUFFLER CP RH OUTLET	1	INCLUDED IN KIT
10	22J-33413-80	MANIFOLD GASKET	2	EXISTING PART
2	22J-99513-30	SPARK ARRESTOR SCREEN	1	INCLUDED IN KIT
3	22J-99513-3A	SPARK ARRESTOR RETAINER	1	INCLUDED IN KIT
4	22J-99533-90	SPARK ARRESTOR SPACER	1	INCLUDED IN KIT
5	22J-99929-40	RETAINER SCREW	1	INCLUDED IN KIT
6	22J-99614-30	HEAT RISER TUBE	1	INCLUDED IN KIT
7	22J-33925-30	SCREW	2	EXISTING PART
8	22J-33046-20	NUT INC TOOTH WASHER	6	EXISTING PART
9	22J-33214-50	FLAT WASHER	2	EXISTING PART

940 Accessories

DUAL OIL COOLER
99657740



0940 0001 000

940 Accessories

Ref	Part Number.	Description	Qty	Remark
A	22J-65976-40	SCREW	4	EXISTING PART
B	22J-65495-20	PLATE	2	INCLUDED IN KIT
C	22J-65950-60	OIL COOLER #1 & #2	1	#1 EXISTING #2 KIT
D	22J-65311-60	SCREW	4	INCLUDED IN KIT
E	22J-32838-80	NUT	4	INCLUDED IN KIT

Part Number Index

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22J-11266-40	5	22J-32440-90	17	22J-54212-90	15		
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