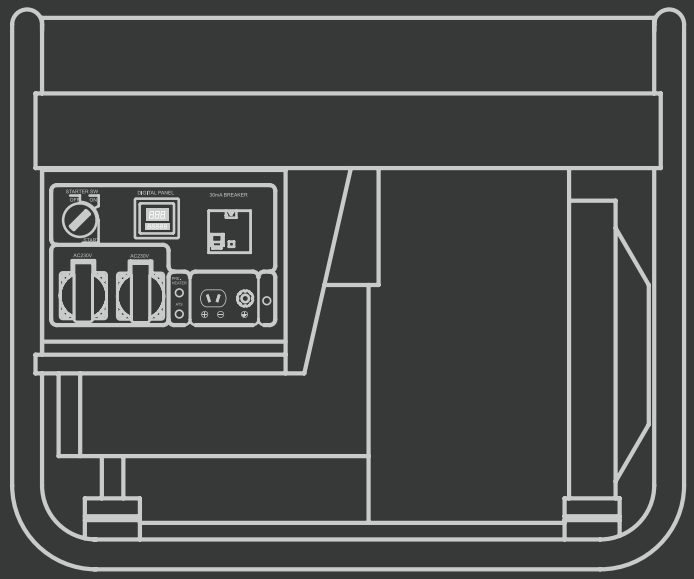
BE POWER® EQUIPMENT

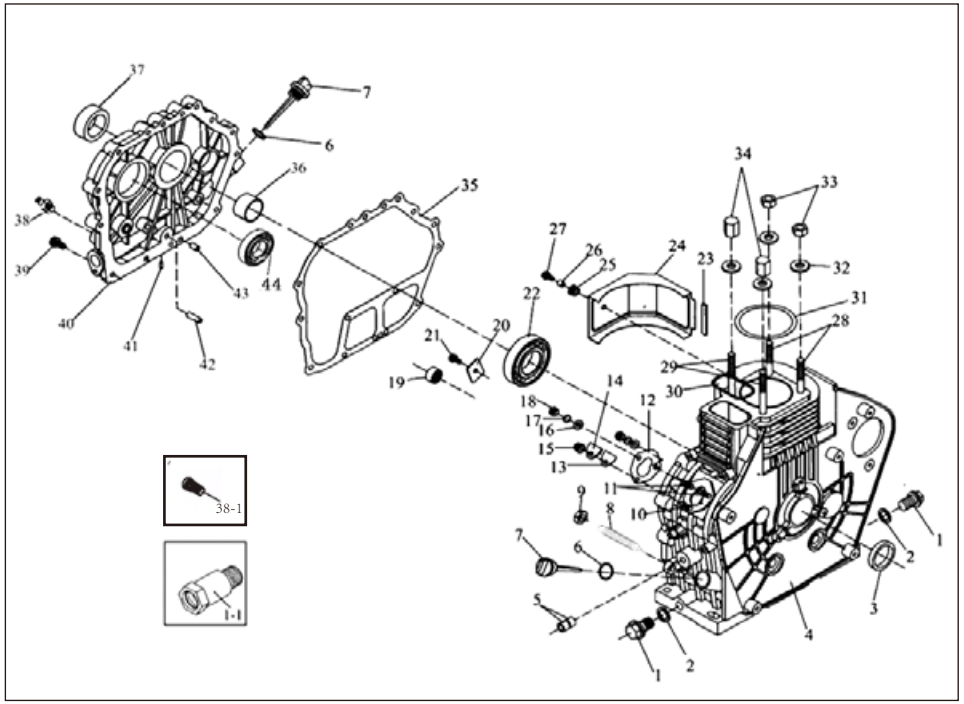
3000RPM DIESEL GENERATOR

G7900D-ILET
G7900D-ILET3

Exploded Part List



ENGINE - CYLINDER D400/450/500-A
PORTABLE DIESEL GENERATOR G7900D-ILET G7900D-ILET3




D400-A4


D450-A4-1


D450-A4-2


D450-A4-3


D400-A28-1

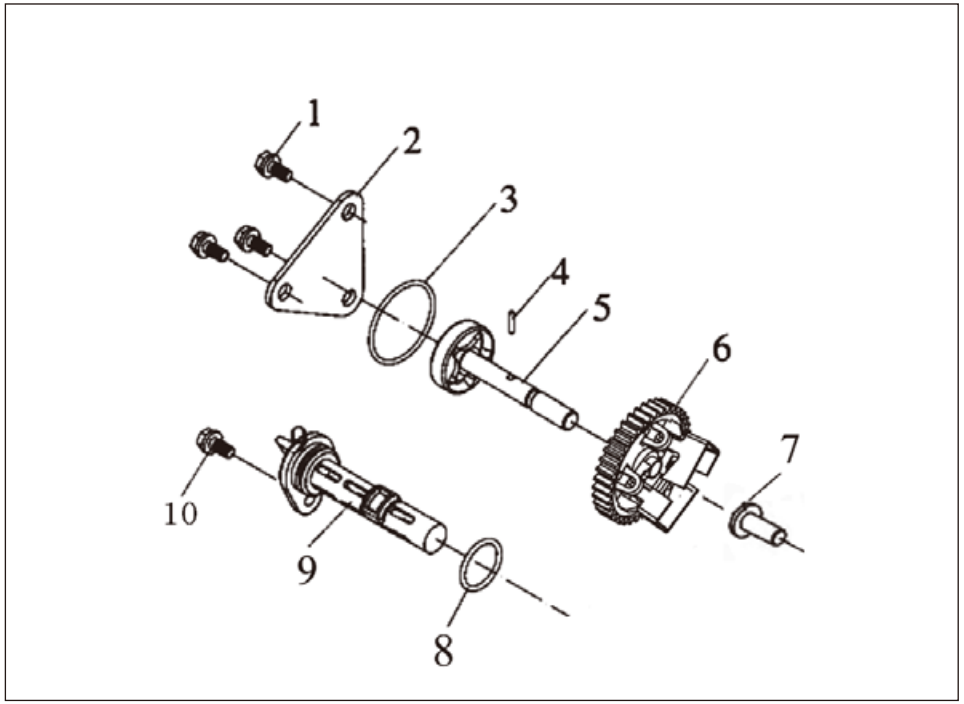

D400-A29-1


D400-A38


D400-A38-1

POS	REF	DESCRIPTION	QTY
1	D400-A1	Drain plug screw M16×16×1.5	2
1-1	D400-A1-1	Connecting bolt of drain plug	1
2	D400-A2	Washer unit of drain plug Φ16.5	2
3	D400-A3	Real oil seal 35×50×8	1
4	D400-A4	Engine block / crankcase	1
4-1	D450-A4-1	Crank case	1
4-2	D450-A4-2	Cylinder block	1
4-3	D450-A4-3	Cylinder block gasket	1
4-4	D500-A4-4	Engine block / crankcase	1
5	D400-A5	Needle bearing HK081410	2
6	D400-A6	O-Ring Φ24×2.4	2
7	D400-A7	Oil dipstick	2
8	D400-A8	Fuel controller ASSY	1
9	D400-A9	Nut M10×1.25	1
10	D400-A10	Bolt (short) AM6×30	1
11	D400-A11	Bolt (long) AM6×36	2
12	D400-A12	Fuel injection pump washer (0.1～0.5MM as optional)	1
13	D400-A13	Joint washer	1
14	D400-A14	Seal plate	1
15	D400-A15	Nut M6	1
16	D400-A16	Flat washer Ø6	2
17	D400-A17	Spring washer Ø6	2
18	D400-A18	Nut M6	2
19	D400-A19	IKO Needle bearing TIA1512Z	1
20	D400-A20	Thrust plate	1
21	D400-A21	Flange bolt M8×12	1
22	D400-A22	Ball bearing 6308	1
23	D400-A23	Cushion shock absorber	1
24	D400-A24	Cylinder baffle	1
25	D400-A25	Vibration isolation cushion block	1
26	D400-A26	Sheath	1
27	D400-A27	Flange bolt M6×18	1
28	D400-A28	Cylinder head stud bolt(short) AM10×1.5×108	2
28-1	D450-A28-1	Cylinder head stud bolt(short) AM10×1.5×190	2
28-2	D500-A28-2	Cylinder head stud bolt(short) AM12×1.5×108	2
29	D400-A29	Cylinder head stud bolt(long) AM10×1.5×122	2
29-1	D450-A29-1	Cylinder head stud bolt(long) AM10×1.5×204	2
29-2	D500-A29-2	Cylinder head stud bolt(long) AM12×1.5×121	2
30	D400-A30	Rectangle ring 5.1×2.3	1
31	D400-A31	Cylinder head shim (0.1～0.5MM as optional)	1
31-1	D450-A31-1	Cylinder head shim (0.1～0.5MM as optional)	1
31-2	D500-A31-2	Cylinder head shim 0.3MM	1
32	D400-A32	Cylinder head nut gasket Φ10.5	4
32-1	D500-A32-1	Cylinder head nut gasket Φ10.5	4
33	D400-A33	Cylinder head nut(short)	2
33-1	D500-A33-1	Cylinder head nut(short)	2
34	D400-A34	Cylinder head nut(long)	2
34-1	D500-A34-1	Cylinder head nut(long)	2
35	D400-A35	Crankcase cover washer	1
36	D400-A36	Main bush	1
37	D400-A37	Front oil seal 35×50×10	1
38	D400-A38	Low oil alarm	1
38-1	D400-A38-1	Hexagonal internal screw plug	1
39	D400-A39	Bolt M8×33.5	16
40	D400-A40	Crankcase cover	1
41	D400-A41	Plunger 8×8	3
42	D400-A42	Oil conduit	1
43	D400-A43	Pin 8×12	2
44	D400-A44	Ball bearing 6207	1

ENGINE - OIL PUMP D400/450/500-B
PORTABLE DIESEL GENERATOR G7900D-ILET G7900D-ILET3



POS	REF	DESCRIPTION	QTY
1	D400-B1	Bolt M6×12	3
2	D400-B2	Lube oil pump cover	1
3	D400-B3	O-Ring Φ34.5×1.8	1
4	D400-B4	Pin 3×16	1
5	D400-B5	Engine oil pump unit	1
6	D400-B6	Drive gear of lube oil pump	1
7	D400-B7	Governor push reel	1
8	D400-B8	O-Ring Φ20×2.52	1
9	D400-B9	Lube oil filter ASSY	1
10	D400-B10	Bolt M6×14	1

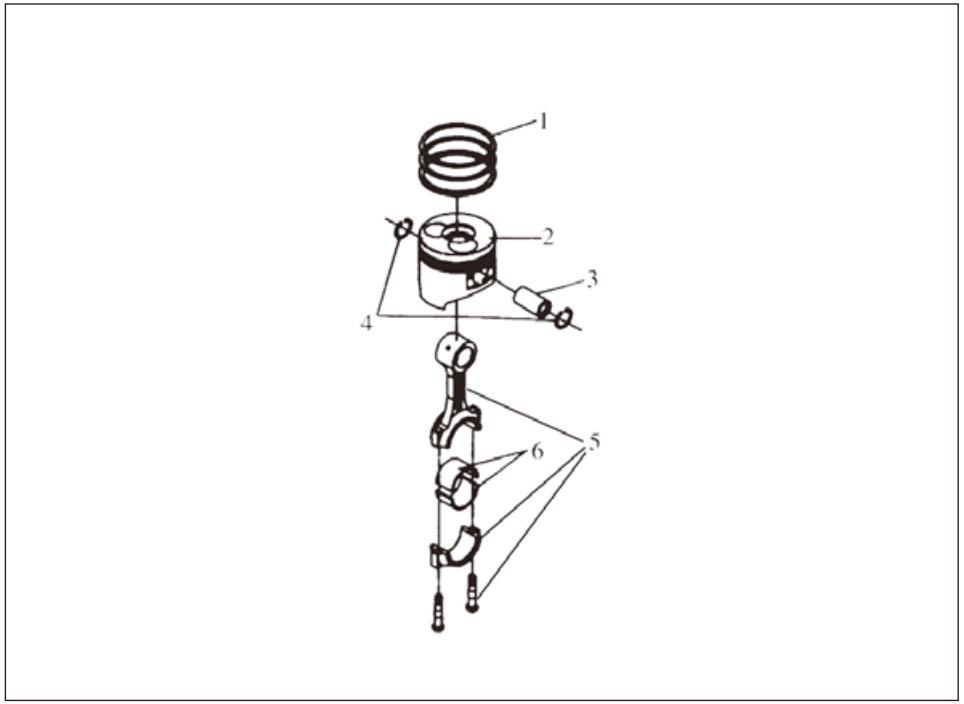

D400-B5


D400-B6


D400-B7


D400-B9

ENGINE - PISTON & CONNECTING ROD D400/450/500-C
PORTABLE DIESEL GENERATOR G7900D-ILET G7900D-ILET3



POS	REF	DESCRIPTION	QTY
1	D400-C1	Piston ring set	1
1-1	D450-C1-1	Piston ring set	1
1-2	D500-C1-2	Piston ring set	1
2	D400-C2	Piston	1
2-1	D450-C2-1	Piston	1
2-2	D500-C2-2	Piston	1
3	D400-C3	Piston pin	1
3-1	D450-C3-1	Piston pin	1
3-2	D500-C3-2	Piston pin	1
4	D400-C4	Piston pin clip	1
5	D400-C5	Connecting rod ASSY	1
5-1	D450-C5-1	Connecting rod ASSY	1
5-2	D500-C5-2	Connecting rod ASSY	1
6	D400-C6	Connecting rod bush（Set）	1
6-1	D500-C6-1	Connecting rod bush（Set）	1

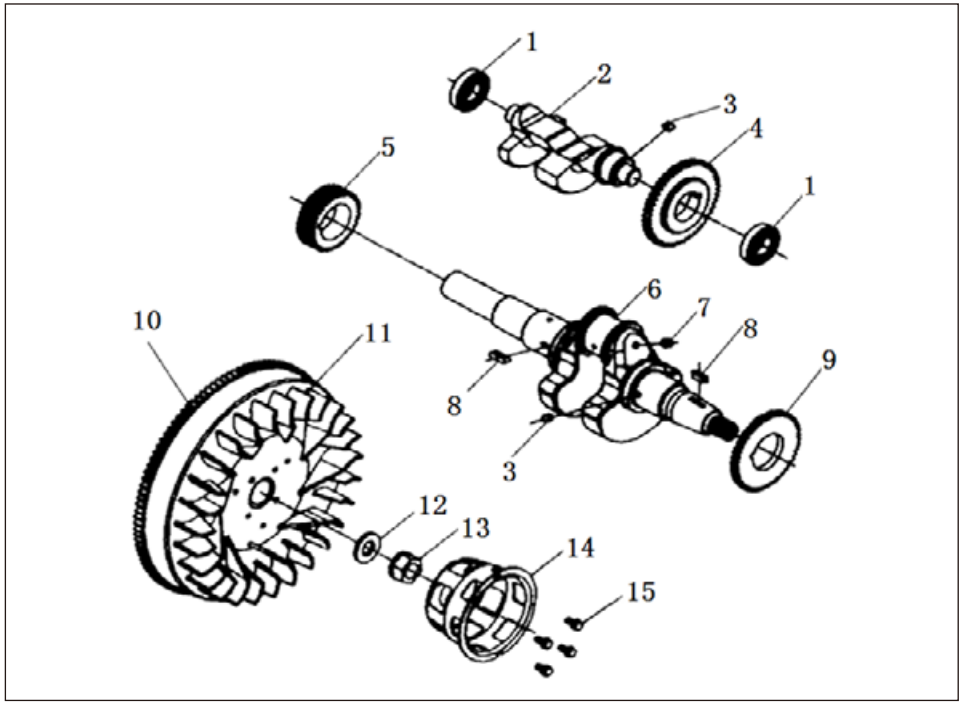

D450-C1-1


D450-C2-1


D450-C3-1


D450-C5-1

FLYWHEEL & CRANKSHAFT & BALANCE SHAFT D400/450/500-D
PORTABLE DIESEL GENERATOR G7900D-ILET G7900D-ILET3



POS	REF	DESCRIPTION	QTY
1	D400-D1	Ball bearing 6203	2
2	D400-D2	Balance shaft	1
3	D400-D3	Key 5×7	2
4	D400-D4	Timing gear of balance shaft	1
5	D400-D5	Crankshaft timing gear	1
6	D400-D6	Crankshaft	1
6-1	D450-D6-1	Crankshaft	1
6-2	D500-D6-2	Crankshaft	1
7	D400-D7	Steel ball Φ6.35	1
8	D400-D8	Key 5×14	2
9	D400-D9	Drive gear of balance shaft	1
10	D400-D10	flywheel ring gear	1
11	D400-D11	Flywheel	1
11-1	D450-D11-1	Flywheel	1
11-2	D500-D11-2	Flywheel	1
12	D400-D12	Flywheel nut washer	1
13	D400-D13	Flywheel Nut M18×1.5	1
14	D400-D14	Starting claw	1
14-1	D450-D14-1	Starting claw	1
15	D400-D15	Flang bolt M6×12	4
15-1	D450-D15-1	Flang bolt M8×12	4


D400-D1


D400-D6

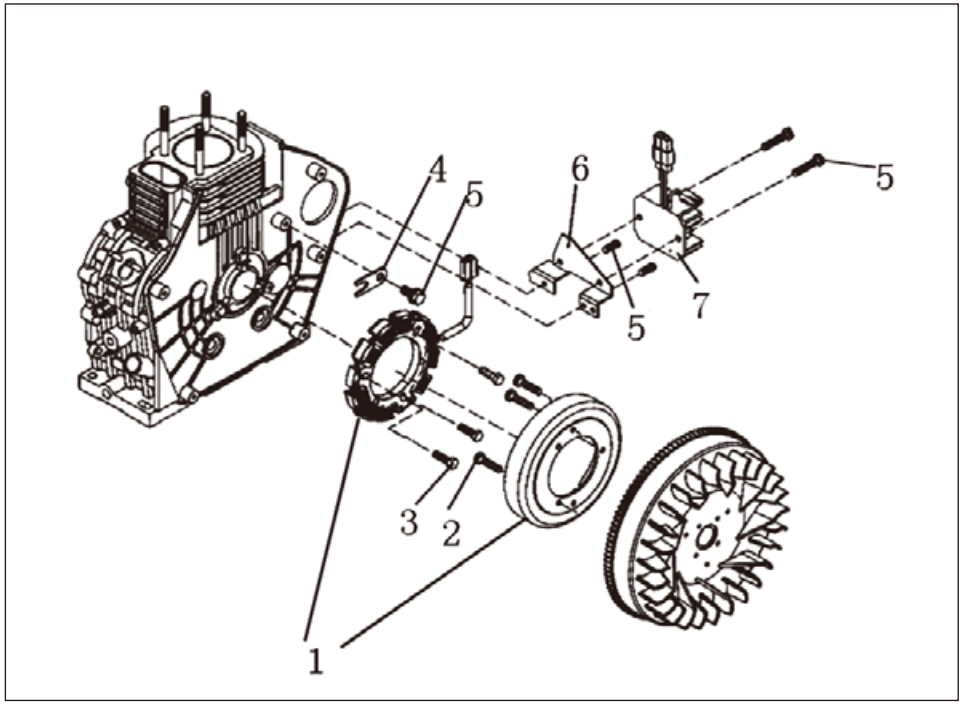

D400-D11


D450-D11-1


D500-D11-2


D450-D14-1

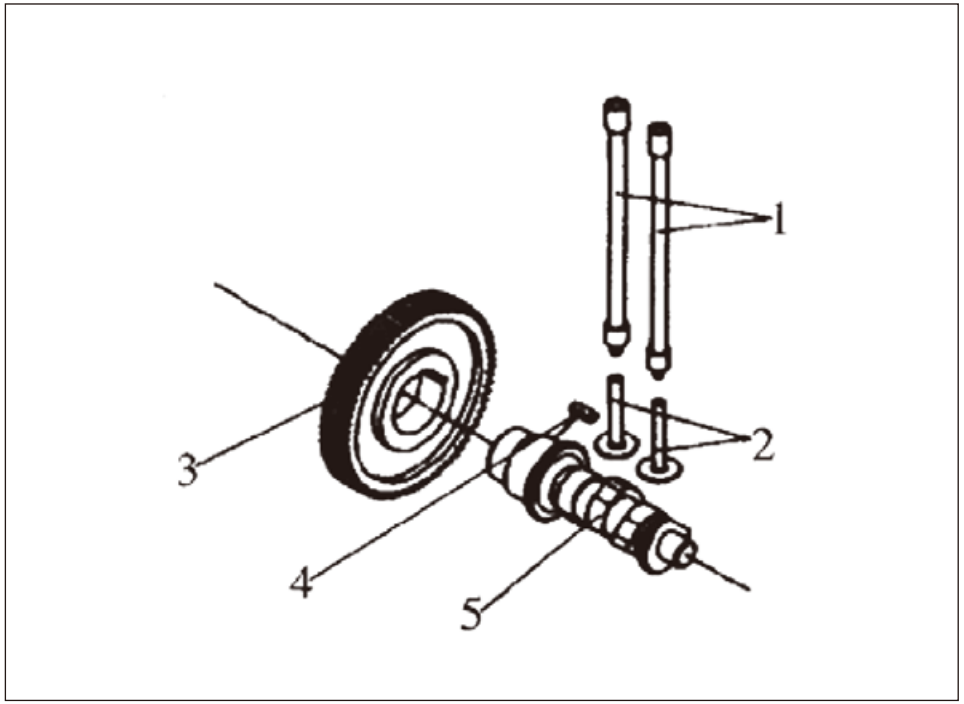
ENGINE - FLYWHEEL ALTERNATOR & REGULATOR D400/450/500-E
PORTABLE DIESEL GENERATOR G7900D-ILET G7900D-ILET3



POS	REF	DESCRIPTION	QTY
1	D400-E1	Flywheel alternator	1
2	D400-E2	Screw M6×12	3
3	D400-E3	Screw M6×22	3
4	D400-E4	Retainer plate	1
5	D400-E5	Screw M6×12	5
6	D400-E6	Support of voltage regulator	1
7	D400-E7	Voltage regulator ASSY	1


D400-E1


D400-E7



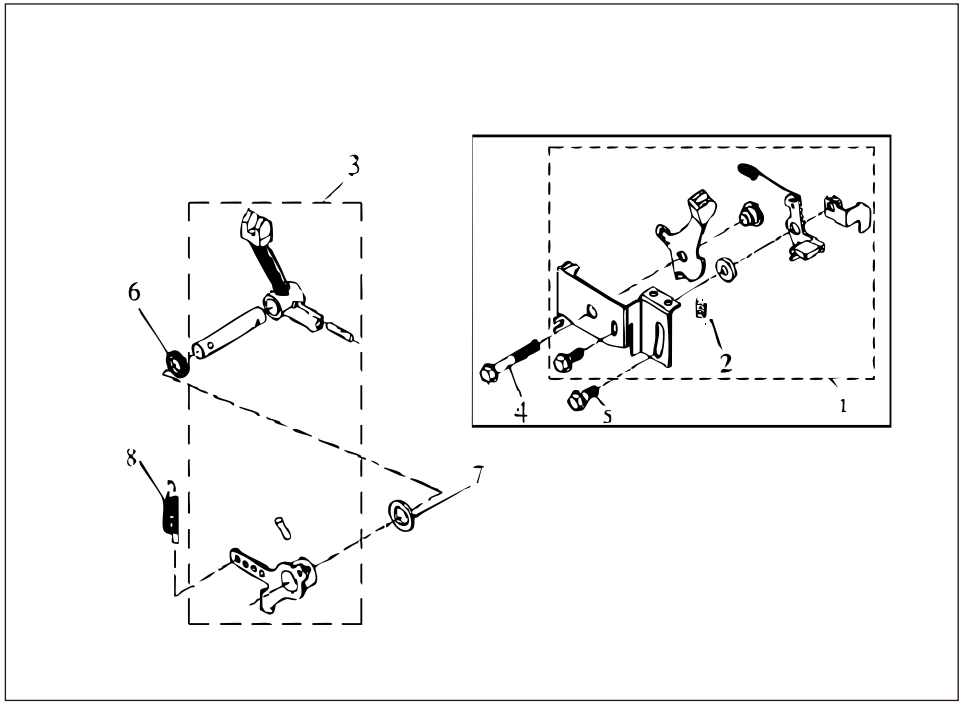
POS	REF	DESCRIPTION	QTY
1	D400-F1	Valve push rod ASSY	2
1-1	D500-F1-1	Valve push rod ASSY	2
2	D400-F2	Valve tappet	2
3	D400-F3	Camshaft timing gear	1
4	D400-F4	Key 5×14	1
5	D400-F5	Camshaft	1
5-1	D500-F5-1	Camshaft	1


D400-F1


D400-F2


D400-F5

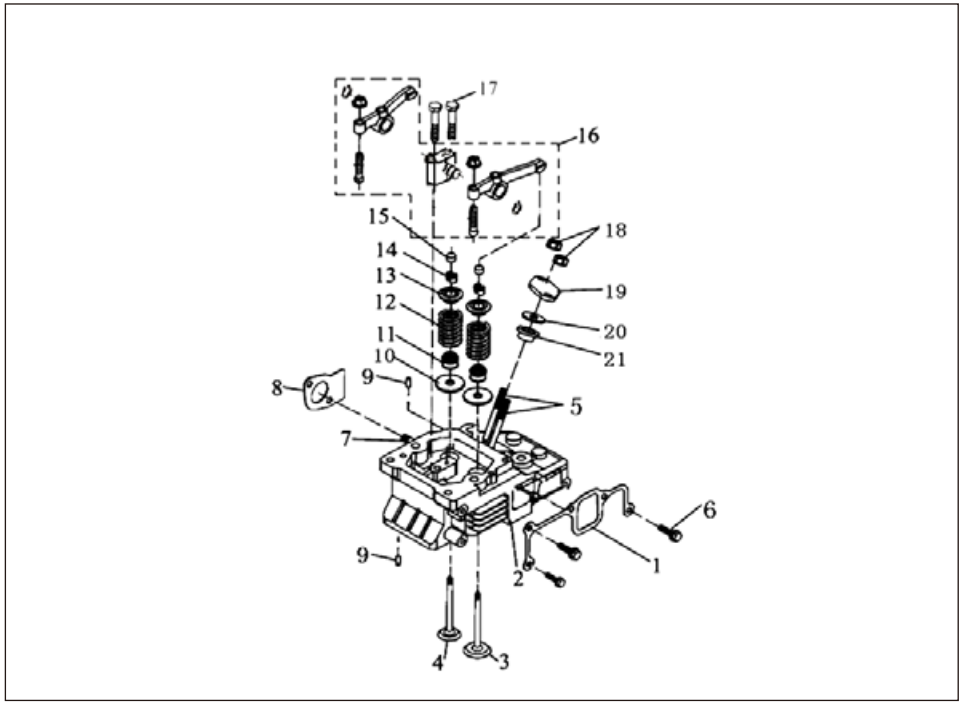
ENGINE - SPEED GOVERNOR & SPEED HANDLE D400/450/500-G
PORTABLE DIESEL GENERATOR G7900D-ILET G7900D-ILET3



POS	REF	DESCRIPTION	QTY
1	D400-G1	Stop-Start speed governor ASSY	1
2	D400-G2	Retrun spring ll (generator)	1
3	D400-G3	Governor level ASSY	1
4	D400-G4	Flange bolt M6×18	1
5	D400-G5	Flange bolt M6×14	1
6	D400-G6	Level shaft oil seal	1
7	D400-G7	Level shaft gasket	1
8	D400-G8	Governor spring	1
9	D400-G9	Retrun spring l	1


D400-G1


D400-G3

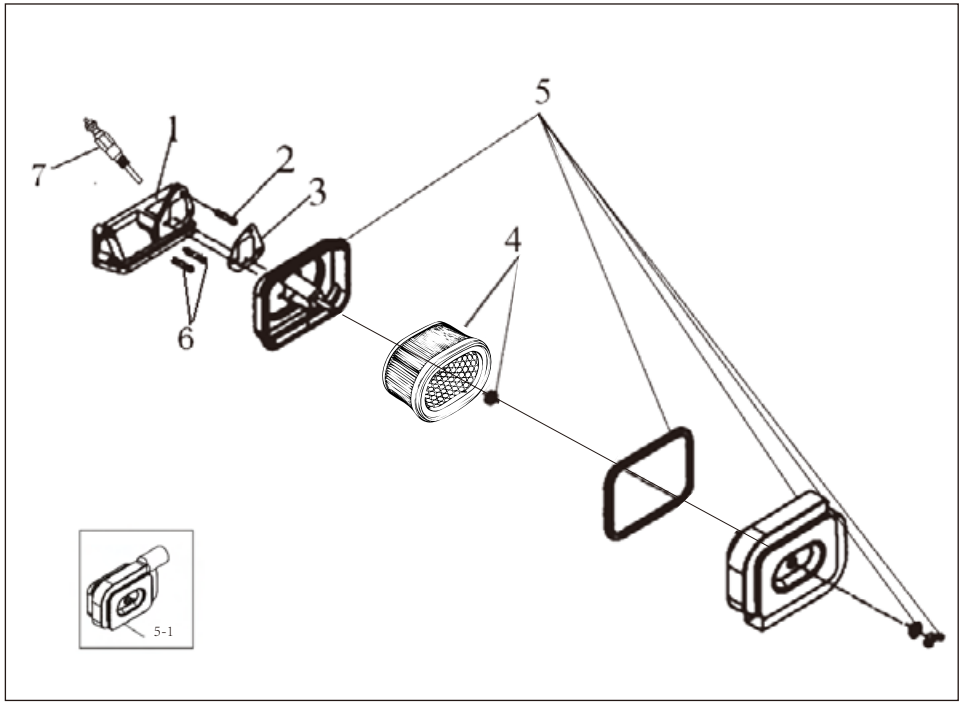



D450-H2-1


D450-H3-1


D450-H4-1

POS	REF	DESCRIPTION	QTY
1	D400-H1	Intake pipe shim	1
1-1	D500-H1-1	Intake pipe shim	1
2	D400-H2	Cylinder head	1
2-1	D450-H2-1	Cylinder head	1
2-2	D500-H2-1	Cylinder head	1
3	D400-H3	Intake valve	1
3-1	D450-H3-1	Intake valve	1
3-2	D500-H3-2	Intake valve	1
4	D400-H4	Exhaust valve	1
4-1	D450-H4-1	Exhaust valve	1
4-2	D500-H4-2	Exhaust valve	1
5	D400-H5	Stud AM6×55	2
5-1	D450-H5-1	Stud AM6×45	2
6	D400-H6	Bolt M6×25	3
7	D400-H7	Stud M8×20	2
7-1	D500-H7-1	Stud M10×25	2
8	D400-H8	Exhaust pipe washer	1
8-1	D500-H8-1	Exhaust pipe washer	1
9	D400-H9	Pin 4×8	3
10	D400-H10	Valve spring gasket	2
10-1	D500-H10-1	Valve spring gasket	2
11	D400-H11	Valve conduit oil seal	2
12	D400-H12	Valve spring	2
12-1	D500-H12-1	Valve spring	2
13	D400-H13	Valve spring seat	2
13-1	D500-H13-1	Valve spring seat	2
14	D400-H14	Valve retaining clip	4
14-1	D500-H14-1	Valve retaining clip	4
15	D400-H15	Valve Aadjusting cushion	2
15-1	D500-H15-1	Valve Aadjusting cushion	2
16	D400-H16	Rock arm ASSY	1
17	D400-H17	Set bolt of Rrocker arm Sseat M8×1.25×50	2
18	D400-H18	Flange nut M6	2
19	D400-H19	Fuel injection valve retainer	1
20	D400-H20	Injector adjustment washers(0.1～0.5MM as optional)	1
21	D400-H21	Heat insulator	1



POS	REF	DESCRIPTION	QTY
1	D500-I1	Inlet pipe	1
2	D400-I2	Flang bolt M6x12	1
3	D500-I3	Air clearner gasket	1
4	D500-I4	Air cleaner element ASSY	1
5	D500-I5	Air cleaner shell ASSY (open frame type)	1
5-1	D500-I5-1	Air cleaner shell ASSY (silent type)	1
6	D400-I6	Flange bolt M6x75	2
7	D400-I7	Preater	1

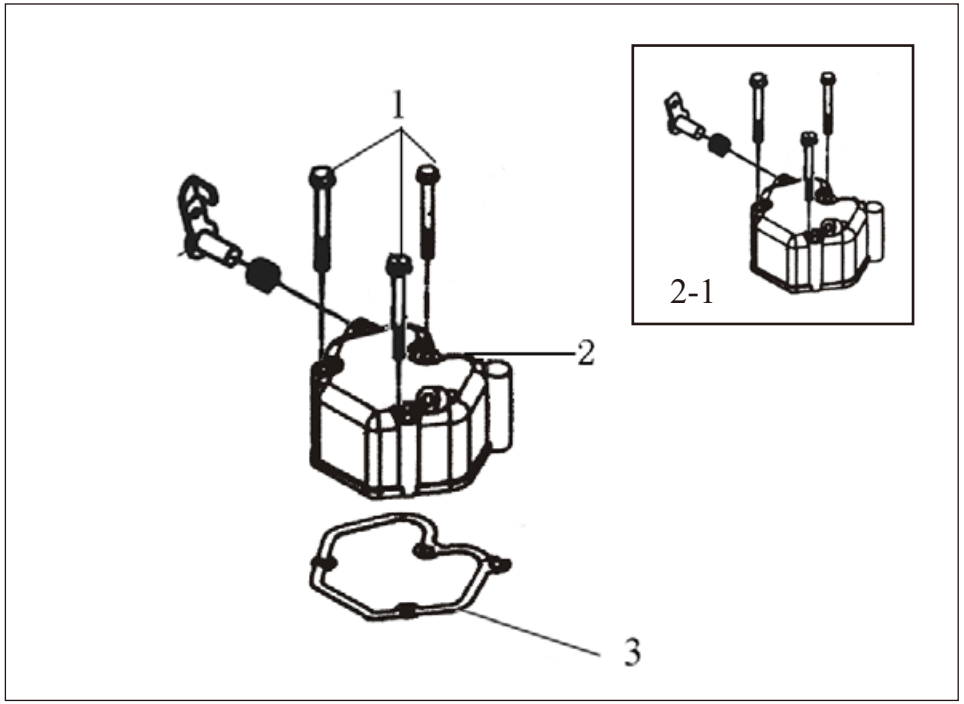

D400-I4


D400-I5


D400-I5-1


D400-I7

ENGINE - CYLINDER HEAD COVER D400/450/500-J
PORTABLE DIESEL GENERATOR G7900D-ILET G7900D-ILET3



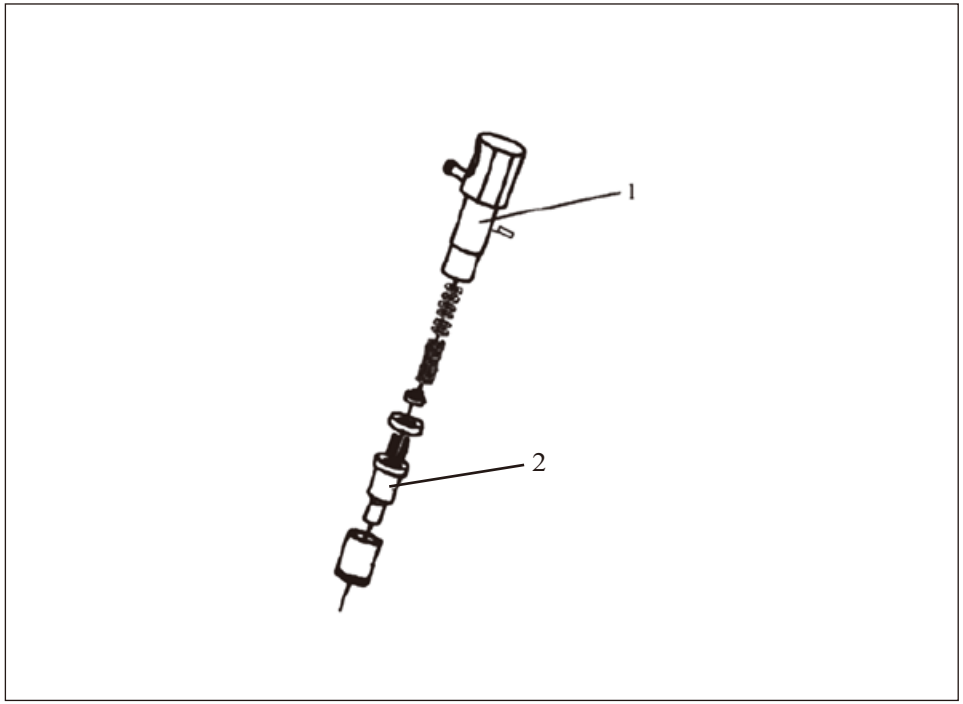
POS	REF	DESCRIPTION	QTY
1	D400-J1	Bolt M6×70	3
2	D400-J2	Cylinder head cover ASSY（Engine, Generator）	1
2-1	D400-J2-1	Cylinder head cover ASSY（Pump set）	1
2-2	D500-J2-2	Cylinder head cover ASSY（Pump set）	1
3	D400-J3	Cylinder head cover gasket	1
3-1	D500-J3-1	Cylinder head cover gasket	1



D400-J2



D400-J2-1



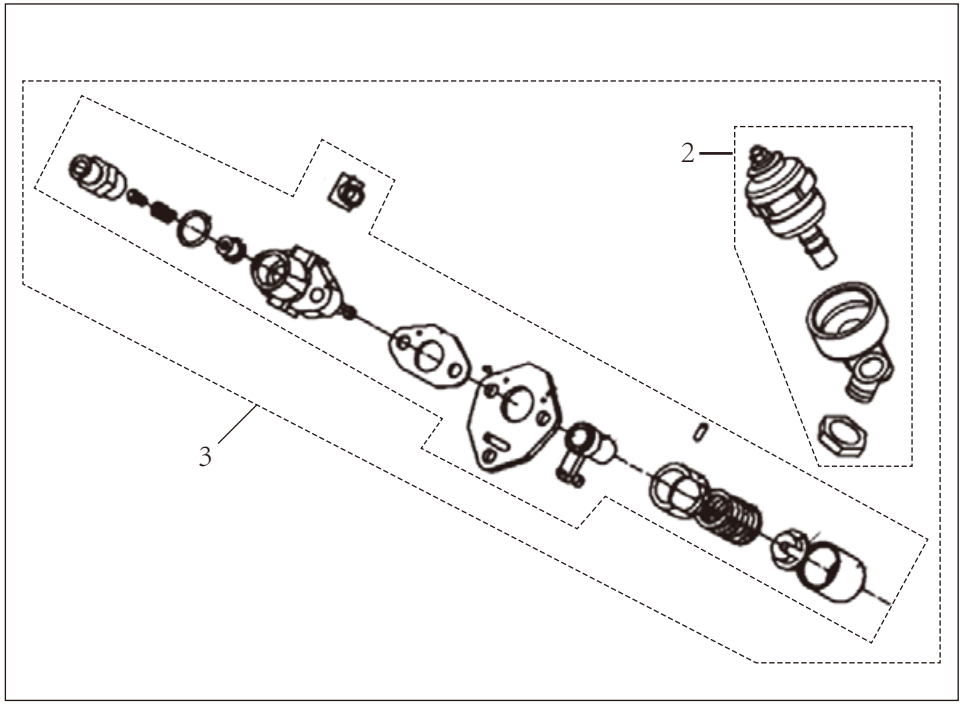
POS	REF	DESCRIPTION	QTY
1	D400-K1	Injector ASSY	1
1-1	D450-K1-1	Injector ASSY	1
1-2	D500-K1-2	Injector ASSY	1
2	D400-K2	Injection nozzle	1
2-1	D450-K2-1	Injection nozzle	1



D450-K1-1



D450-K2-1

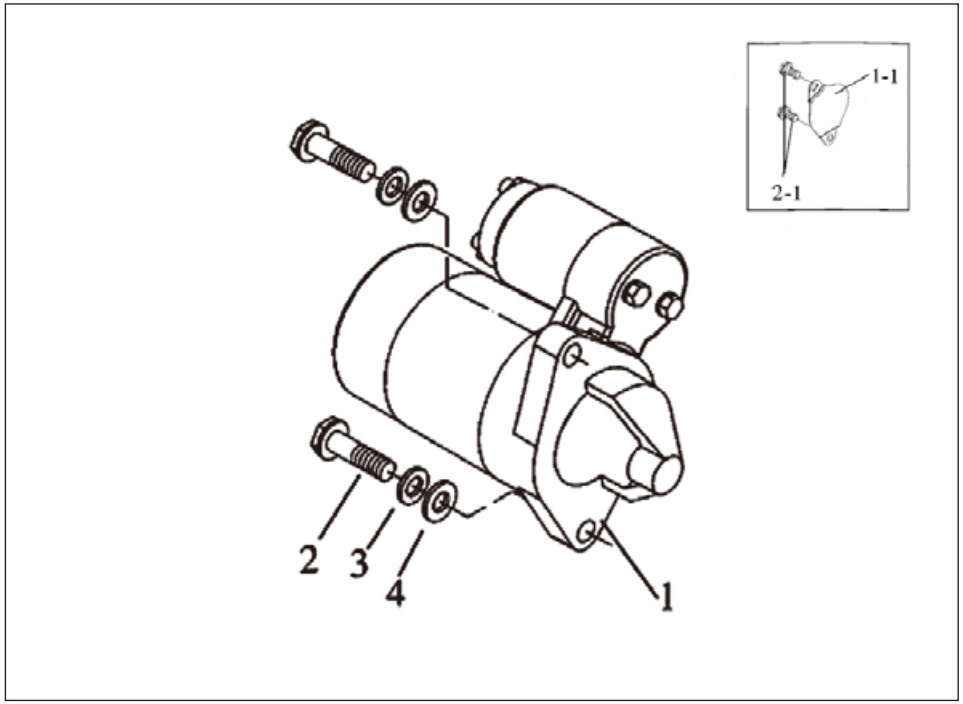


POS	REF	DESCRIPTION	QTY
2	D400-L2	Electromagnetic valve	1
3	D400-L3	Injection pump ASSY(electromagnetic valve included)	1
3-1	D500-L3-1	Injection pump ASSY(electromagnetic valve included)	1


D400-L2


D400-L3


D500-L3-1

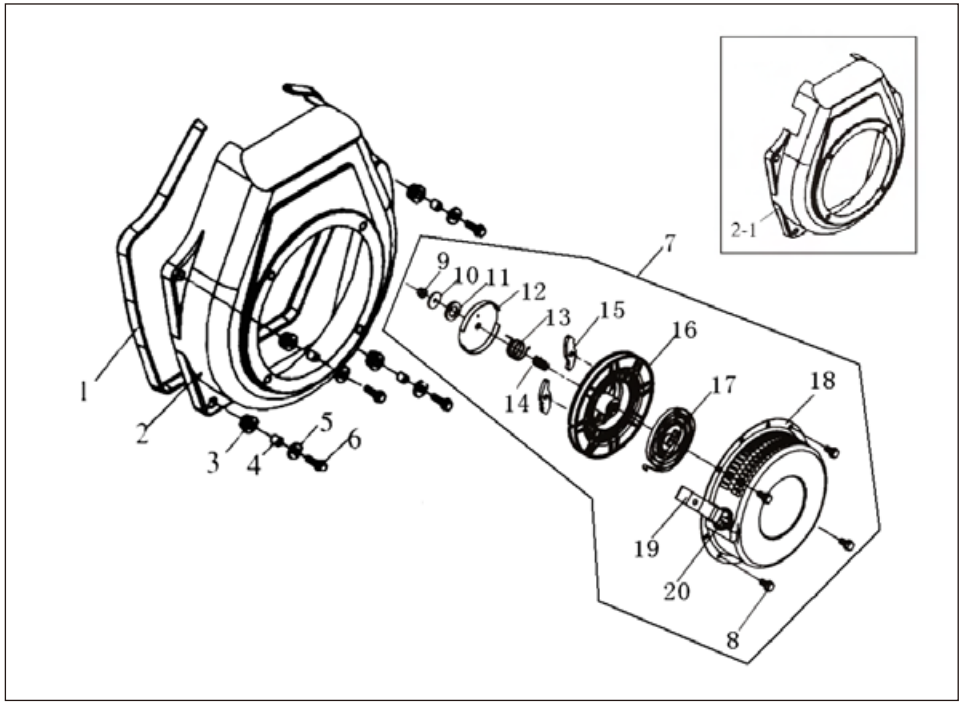


POS	REF	DESCRIPTION	QTY
1	D400-M1	Starting motor ASSY	1
1-1	D400-M1-1	Starting motor cover	1
2	D400-M2	Bolt M10×35	2
2-1	D400-M2-1	Bolt M10×20	2
3	D400-M3	Spring gasket Φ10	2
4	D400-M4	Flat washer Φ10	2



D400-M1

ENGINE - FAN COVER D400/450/500-N
PORTABLE DIESEL GENERATOR G7900D-ILET G7900D-ILET3



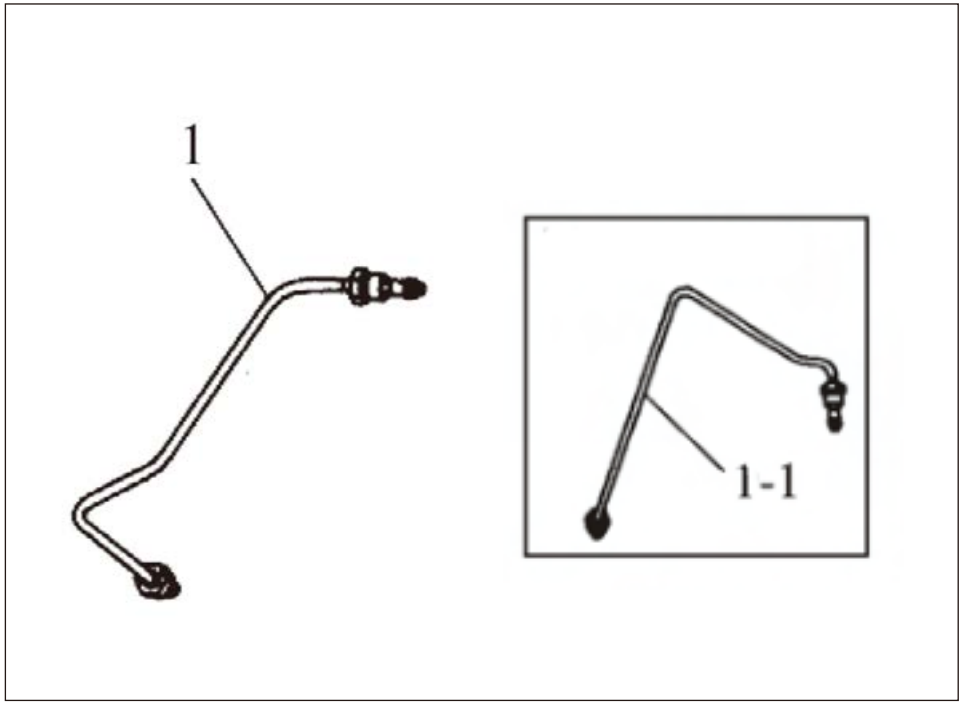
POS	REF	DESCRIPTION	QTY
1	D400-N1	Cushion	1
2	D400-N2	Fan cover weldment ASSY（open frame type）	1
2-1	D400-N2-1	Fan cover weldment ASSY（soundproof type）	1
2-2	D450-N2-2	Fan cover weldment ASSY（open frame type）	1
2-3	D450-N2-3	Fan cover weldment ASSY（soundproof type）	1
2-4	D500-N2-4	Fan cover weldment ASSY（open frame type）	1
2-5	D500-N2-5	Fan cover weldment ASSY（soundproof type）	1
3	D400-N3	Cushion sheath	4
4	D400-N4	Sheath	4
5	D400-N5	Flat washer Φ6	4
6	D400-N6	Bolt M6×22	4
7	D400-N7	Handle starter ASSY	1
8	D400-N8	Bolt M6×8	4
9	D400-N9	Flange nut M8	1
10	D400-N10	Flat washer Φ8	1
11	D400-N11	Friction plate	1
12	D400-N12	Starting claw pressure plate	1
13	D400-N13	Torsion spring	1
14	D400-N14	Compression spring	1
15	D400-N15	Starting claw	2
16	D400-N16	Start pull dish	1
17	D400-N17	Spiral spring	1
18	D400-N18	Hand plate shell	1
19	D400-N19	Starter handle	1
20	D400-N20	Starting leash	1


D450-N2-2


D450-N2-3


D400-N7

ENGINE - HIGH PRESSURE TUBE D400/450/500-O
PORTABLE DIESEL GENERATOR G7900D-ILET G7900D-ILET3



POS	REF	DESCRIPTION	QTY
1	D400-O1	High-pressure tube（open frame type）	1
1-1	D400-O1-1	High-pressure tube(soundproof type)	1
1-2	D450-O1	High-pressure tube（open frame type）	1
1-3	D450-O1-2	High-pressure tube(soundproof type)	1

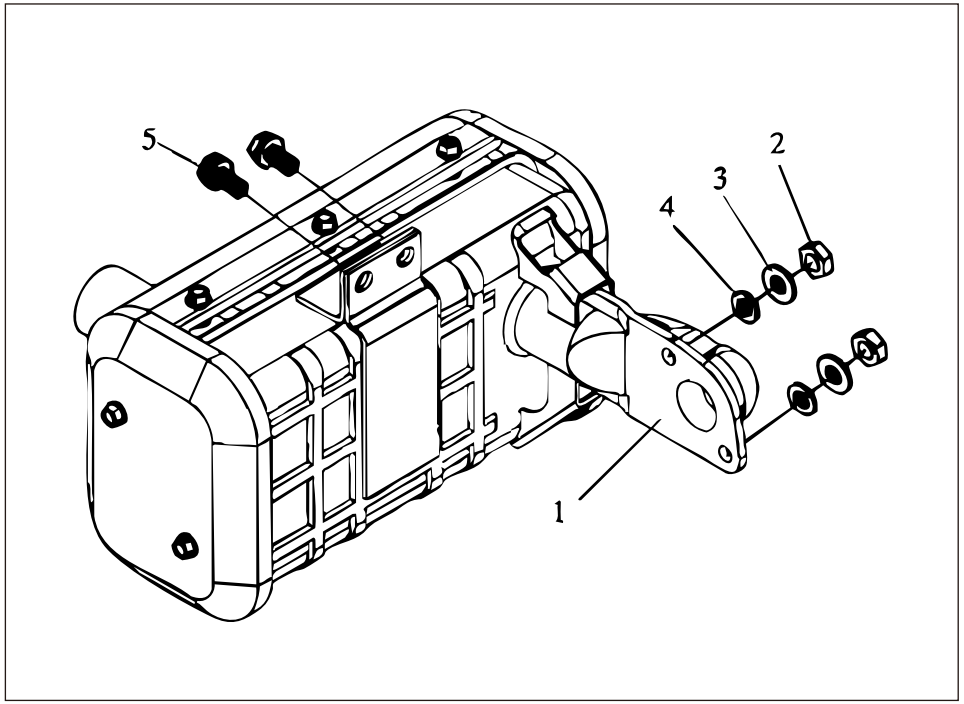

D400-O1


D400-O1-1


D450-O1


D450-O1-2

ENGINE - MUFFLER D400/450/500-P
PORTABLE DIESEL GENERATOR G7900D-ILET G7900D-ILET3



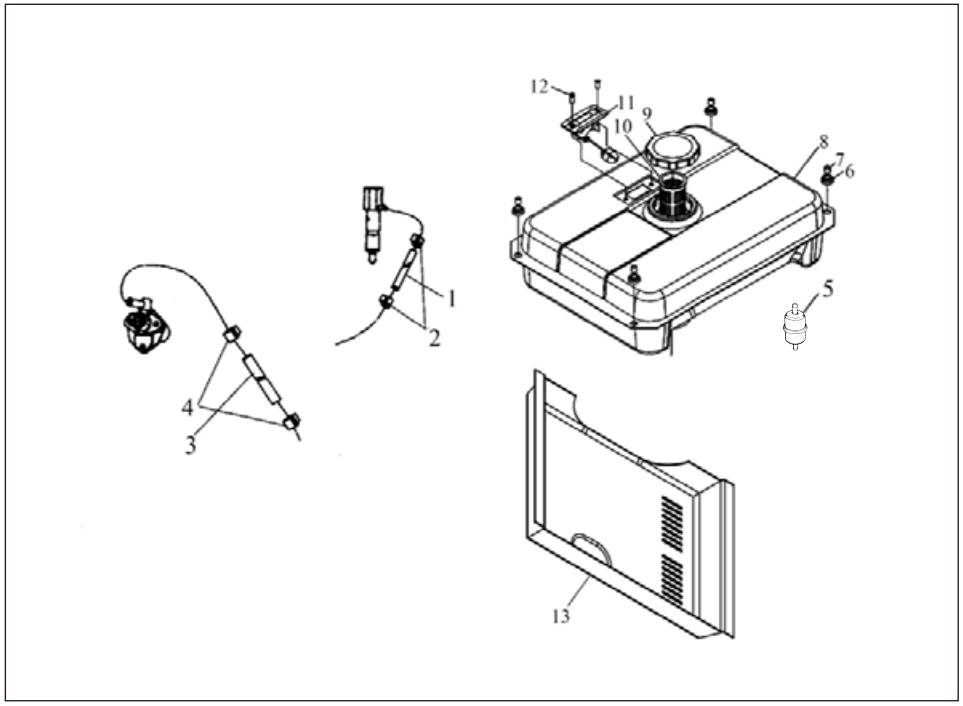
POS	REF	DESCRIPTION	QTY
1	D400-P1	Muffler(Engine type with protection cover)	1
1-1	D400-P1-1	Muffler(Generator type without protection cover)	1
1-2	D500-P1-2	Muffler(Generator type without protection cover)	1
2	D400-P2	Nut M8	2
3	D400-P3	Spring washer M8	2
4	D400-P4	Flat washer M8	2
5	D400-P5	Flange bolt M8×16	2



D400-P1



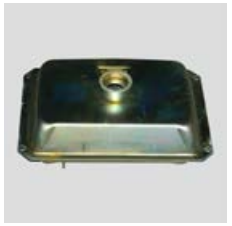
D400-P1-1

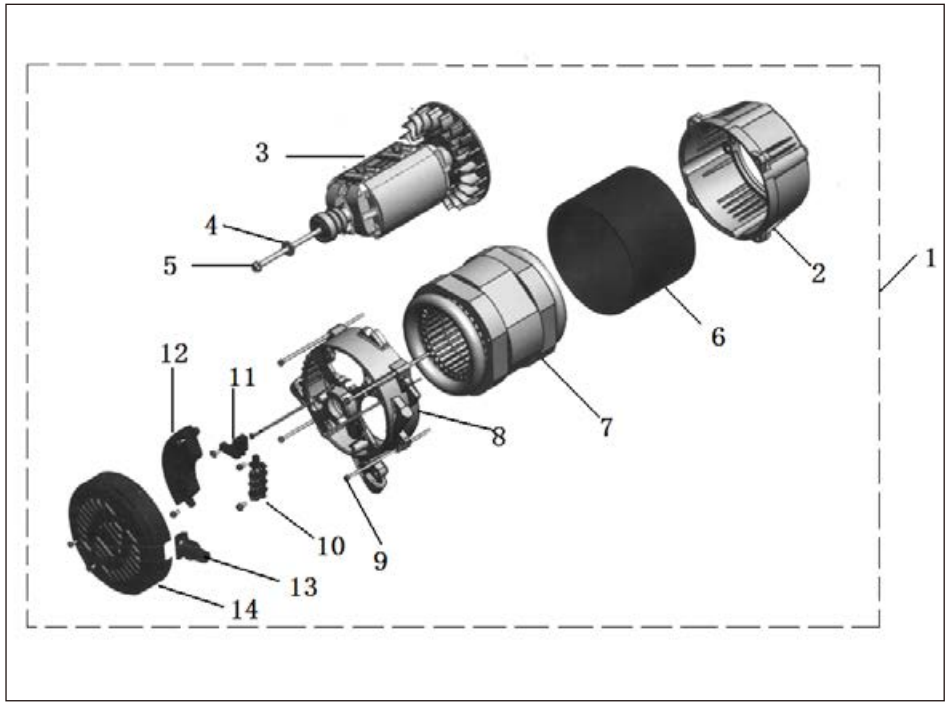


POS	REF	DESCRIPTION	QTY
1	D400-R01	Fuel return pipe ϕ5×9.5	1
2	D400-R02	Fuel return pipe clip ℄9	2
3	D400-R03	Fuel pipe ϕ7.5×13	1
4	D400-R04	Fuel pipe clip ℄11, ℄13 as optional	2
5	D400-R05	External fuel filter	1
6	D400-R06	Vibration isolation cushion block	4
7	D400-R07	Sheath	4
8	D400-R08	Fuel tank（open frame type）	1
8-1	D400-R08-1	Fuel tank（soundproof type）	1
9	D400-R09	Fuel tank cap	1
10	D400-R10	Fuel filler screen	1
11	D400-R11	Fuel level indicator ASSY (open frame type)	1
11-1	D400-R11-1	Fuel level indicator ASSY（soundproof type）	1
12	D400-R12	Screw M5×8	2
13	D400-R13	Upper cover	1

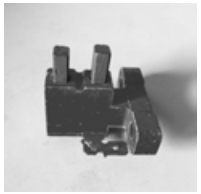

D400-R05


D400-R08


D400-R08-1




D400-S02-1

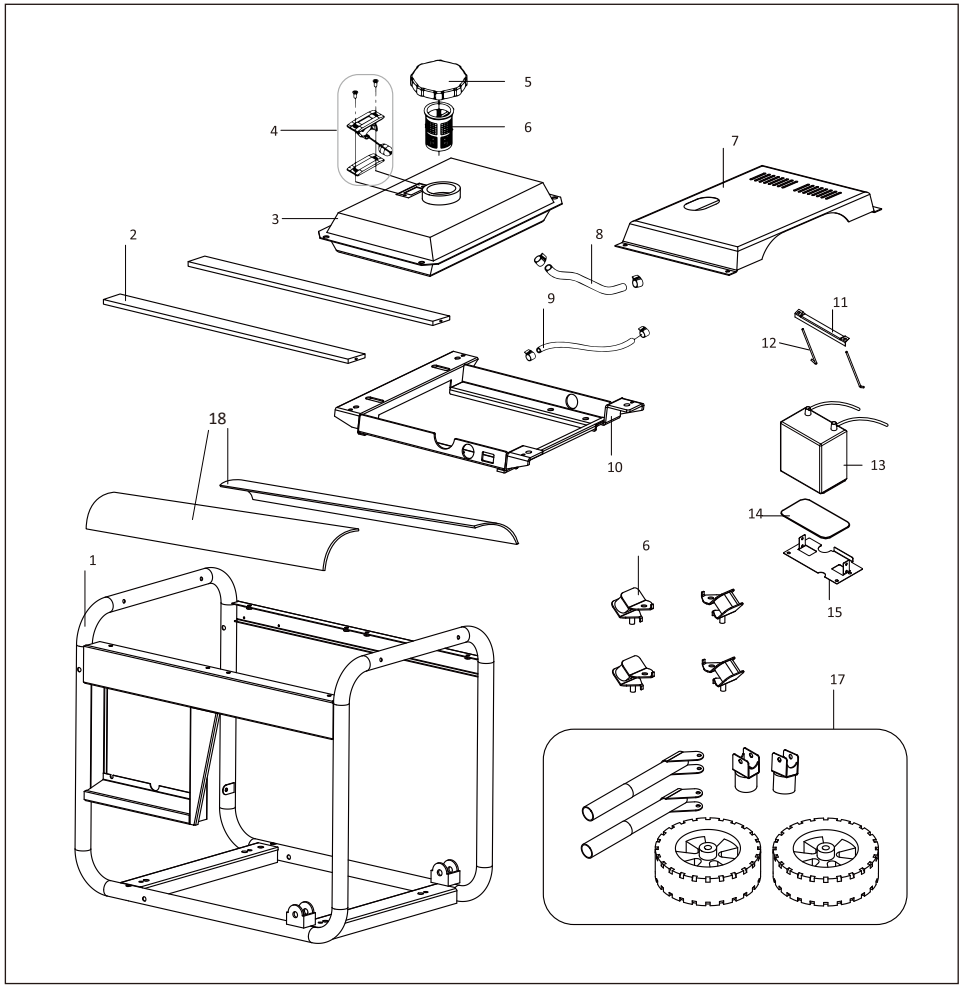

D400-S11


D400-S12

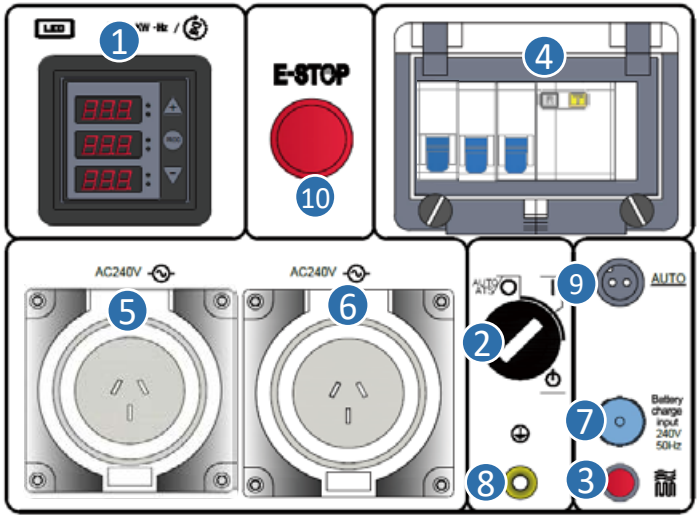

D400-S12-1

POS	REF	DESCRIPTION	QTY
1	D400-S01	5KVA Alternator ASSY(LE) (single phase)	1
1-1	D450/500-S01-1	6KVA Alternator ASSY(LE) (single phase)	1
1-2	D400-S01-2	5KVA Alternator ASSY(LE-3) (3 phase)	1
1-3	D450/500-S01-3	6KVA Alternator ASSY(LE-3) (3 phase)	1
1-4	D400-S01-4	5KVA Alternator ASSY(SE) (single phase)	1
1-5	D450/500-S01-5	6KVA Alternator ASSY(SE) (single phase)	1
1-6	D400-S01-6	5KVA Alternator ASSY(SE-3) (3 phase)	1
1-7	D450/500-S01-7	6KVA Alternator ASSY(SE-3) (3 phase)	1
1-8	D450/500-S01-8	6KVA Alternator ASSY(Equal power,open type)	1
1-9	D450/500-S01-9	6KVA Alternator ASSY(Equal power,silent type)	1
2	D400-S02	Front round cover(LE/LE-3) (open type)	1
2-1	D400-S02-1	Front round cover(SE/SE-3) (silent type)	1
3	D400-S03	5KVA Rotor(LE/SE) (single phase)	1
3-1	D450/500-S03-1	6KVA Rotor(LE/SE) (single phase)	1
3-2	D400-S03-2	5KVA Rotor(LE-3/SE-3) (3 phase)	1
3-3	D450/500-S03-3	6KVA Rotor(LE-3/SE-3) (3 phase)	1
3-4	D450/500-S03-4	6KVA Rotor(Equal power)	1
4	D400-S04	Flat washer Φ10	1
5	D400-S05	5KVA Axis bolt	1
5-1	D450/500-S05-1	6KVA Axis bolt	1
6	D400-S06	5KVA Stator cover	1
6-1	D450/500-S06-1	6KVA Stator cover	1
6-2	D450/500-S06-2	6KVA Stator cover (Equal power)	1
7	D400-S07	5KVA Stator(LE/SE) (single phase)	1
7-1	D450/500-S07-1	6KVA Stator(LE/SE) (single phase)	1
7-2	D400-S07-2	5KVA Stator(LE-3/SE-3) (3 phase)	1
7-3	D450/500-S07-3	6KVA Stator(LE-3/SE-3) (3 phase)	1
7-4	D450/500-S07-4	6KVA Stator(Equal power)	1
8	D400-S08	Real round cover	1
9	D400-S09	5KVA Frange bolt M6×170	4
9-1	D450/500-S09-1	6KVA Frange bolt M6×185	4
10	D400-S10	Terminal plate(LE/SE) (single phase)	1
10-1	D400-S10-1	Terminal plate(LE-3/SE-3) (3 phase)	1
10-2	D400-S10-2	Terminal plate(Equal power)	1
11	D400-S11	Brush kit	1
12	D400-S12	AVR(LE/SE) (single phase)	1
12-1	D400-S12-1	AVR(LE-3/SE-3) (3 phase)	1
13	D400-S13	Rubber cable cover	1
14	D400-S14	Real end cover	1

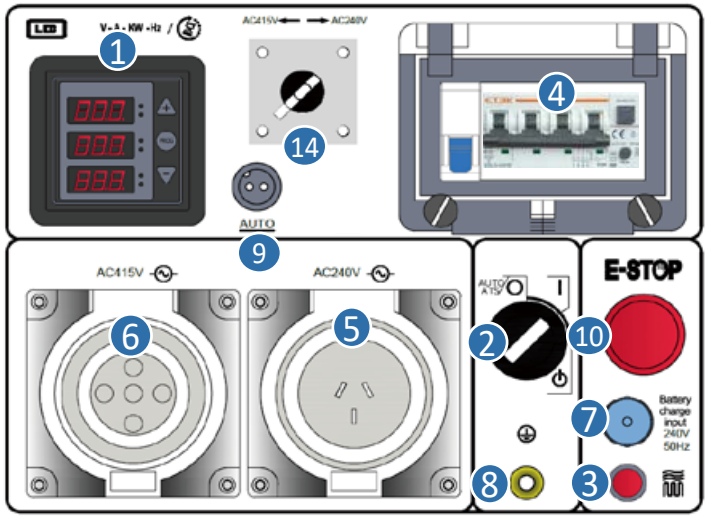
FRAME
PORTABLE DIESEL GENERATOR G7900D-ILET G7900D-ILET3



POS	REF	DESCRIPTION	QTY
1	SP-D400-T01	Open frame	1
2	SP-D400-T04	Protection rod	2
3	SP-D400-R09	Fuel tank	1
4	SP-D400-R11	Fuel level indicator ASSY	1
5	SP-D400-R09	Fuel tank cap	1
6	SP-D400-R10	Fuel filler screen	1
7	SP-D400-R13	Upper cover	1
8	SP-D400-R03	Fuel pipe	1
9	SP-D400-R01	Fuel return pipe	1
10	SP-D400-T03	Engine support	1
11	SP-D400-T08	Battery fastening plate	1
12	SP-D400-T07	Battery fastening rod	1
13	SP-D400-T06	Battery 36Ah	1
14	SP-D400-T09	Battery rubber base plate	1
15	SP-D400-T05	Battery support	1
16	SP-D400-T02	Rubber absorber	2
17	SP-D400-10”Wh	10 inch wheel ASSY	1
18	SP-D400-R14	Arc Plate	2



G7900D-ILET



G7900D-ILET3

POS	REF	DESCRIPTION	QTY
1	79ILET-01	LED6 Display	1
2	79ILET-02	Start key	1
3	79ILET-03	Air-preheater button	1
4	79ILET-04	SAA breaker	1
5	79ILET-05	240V-15A Single phase socket	1
6	79ILET-06	240V-15A Single phase socket	1
7	79ILET-07	Battery charger socket	1
8	79ILET-08	Ground terminal	1
9	79ILET-09	AUTO socket	1
10	79ILET-10	E-STOP	1
11	79ILET-11	Fuse kit	1
12	79ILET-12	Relay	1
13	79ILET-13	ATS moudle	1

POS	REF	DESCRIPTION	QTY
1	79ILET3-01	LED6 Display	1
2	79ILET3-02	Start key	1
3	79ILET3-03	Air-preheater button	1
4	79ILET3-04	SAA breaker	1
5	79ILET3-05	240V-15A Single phase socket	1
6	79ILET3-06	415V-32A Three phase socket	1
7	79ILET3-07	Battery charger socket	1
8	79ILET3-08	Ground terminal	1
9	79ILET3-09	AUTO socket	1
10	79ILET3-10	E-STOP	1
11	79ILET3-11	Fuse kit	1
12	79ILET3-12	Relay	1
13	79ILET3-13	ATS moudle	1
14	79ILET3-14	Turnover switch	1

BE POWER® EQUIPMENT