



EAGLE

ENGINE

PARTS MANUAL

ZXY 653

22 hp.

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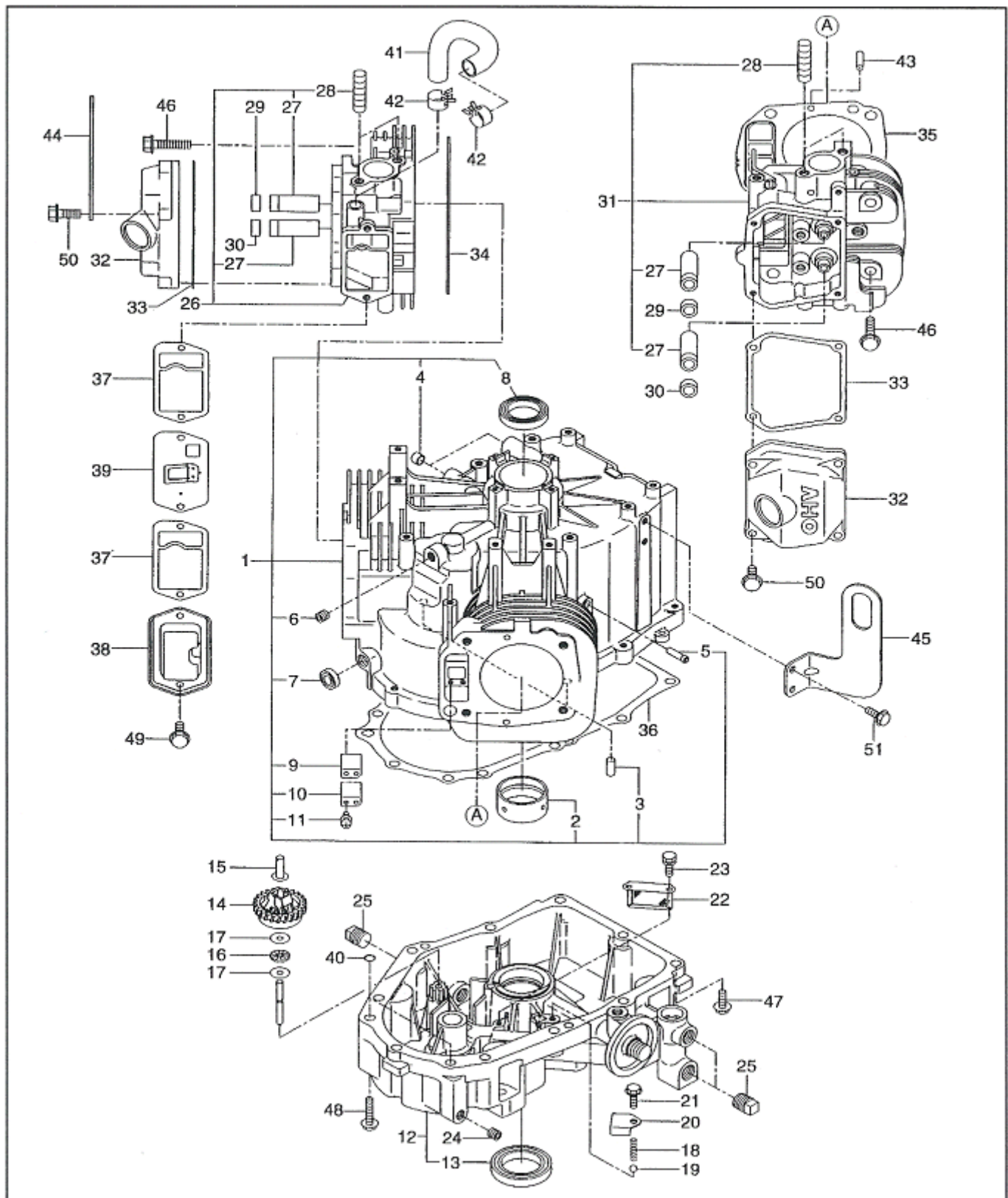
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FIG. 1 CRANKCASE GROUP

REF	PART NUMBER	DESCRIPTION	QTY	REMARKS
*1	263-10201-A1	CRANKCASE, compl.	1	includes items 2 thru 11
2	263-15801-03	MAIN BEARING	1	
3	X31-00800-80	DOWEL PIN	2	
4	142-55601-03	PIPE	2	
5	159-65401-03	PIPE (PULSE)	1	
6	235-15421-03	BLIND PLUG	1	
7	044-00800-10	OIL SEAL	1	
8	044-03500-90	OIL SEAL	1	
9	263-17101-A3	LEAF VALVE	2	
10	263-17201-A3	RETAINER PLATE	2	
11	004-35041-00	SCREW and WASHER ASS'Y	4	
*12	263-11021-A1	MAIN BEARING COVER, compl.	1	includes item 13
13	044-04200-30	OIL SEAL	1	
14	263-45101-B1	GOVERNOR GEAR, compl.	1	
15	263-41901-03	GOVERNOR SLEEVE	1	
16	263-46213-A3	THRUST BEARING	1	
17	263-46214-A3	WASHER	2	
18	248-65601-03	SPRING, relief valve	1	
19	006-90308-00	STEEL BALL	1	
20	263-17301-A3	RETAINER PLATE	1	
21	X11-00600-20	FLANGE BOLT	1	
22	263-64311-A1	OIL PUMP FILTER	1	
23	001-13051-00	BOLT and WASHER ASS'Y	2	
24	235-15421-03	BLIND PLUG	1	
25	263-17401-A3	DRAIN PLUG	3	
*26	263-13201-02	CYLINDER HEAD 1 UNIT	1	includes items 27, 28
27	263-14201-03	VALVE GUIDE	4	
28	010-50802-90	STUD	8	
29	132-07AA0-50	SEAL-INTAKE VALVE	2	
30	132-11AA0-50	SEAL-EXHAUST VALVE	2	
*31	263-13301-02	CYLINDER HEAD 2 UNIT	1	includes items 27, 28
32	263-15501-A3	ROCKER COVER	2	
33	263-16101-A3	GASKET, rocker cover	2	
34	263-15021-01	GASKET, cylinder head 1	1	
35	263-15121-01	GASKET, cylinder head 2	1	
36	263-16011-A3	GASKET, main bearing cover	1	
37	263-16006-03	GASKET, breather plate	2	
38	263-14301-03	BREATHER COVER	1	
39	263-14411-A1	BREATHER PLATE, compl.	1	
40	024-00090-00	O RING	2	
41	263-18001-03	RUBBER PIPE	1	
42	263-68511-03	HOSE CLAMP	2	
43	X31-00600-20	DOWEL PIN	4	
44	263-19101-A3	LIFT HOOK1	1	

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FIG. 1 CRANKCASE GROUP



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FIG. 1 CRANKCASE GROUP

[illegible]

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This exploded view diagram illustrates the assembly of a 125cc engine. The components are numbered as follows:

- 1**: Piston and piston pin assembly
- 2**: Connecting rod
- 3**: Connecting rod pin
- 4**: Piston pin clip
- 5**: Piston pin cap
- 6**: Piston rings
- 7**: Piston pin clip
- 8**: Piston pin clip
- 9**: Piston pin clip
- 10**: Piston pin clip
- 11**: Piston pin clip
- 12**: Piston pin clip

The diagram shows the piston and connecting rod assembly being installed into the engine block. The piston rings are shown separately, and the piston pin clip is shown being inserted into the piston pin.

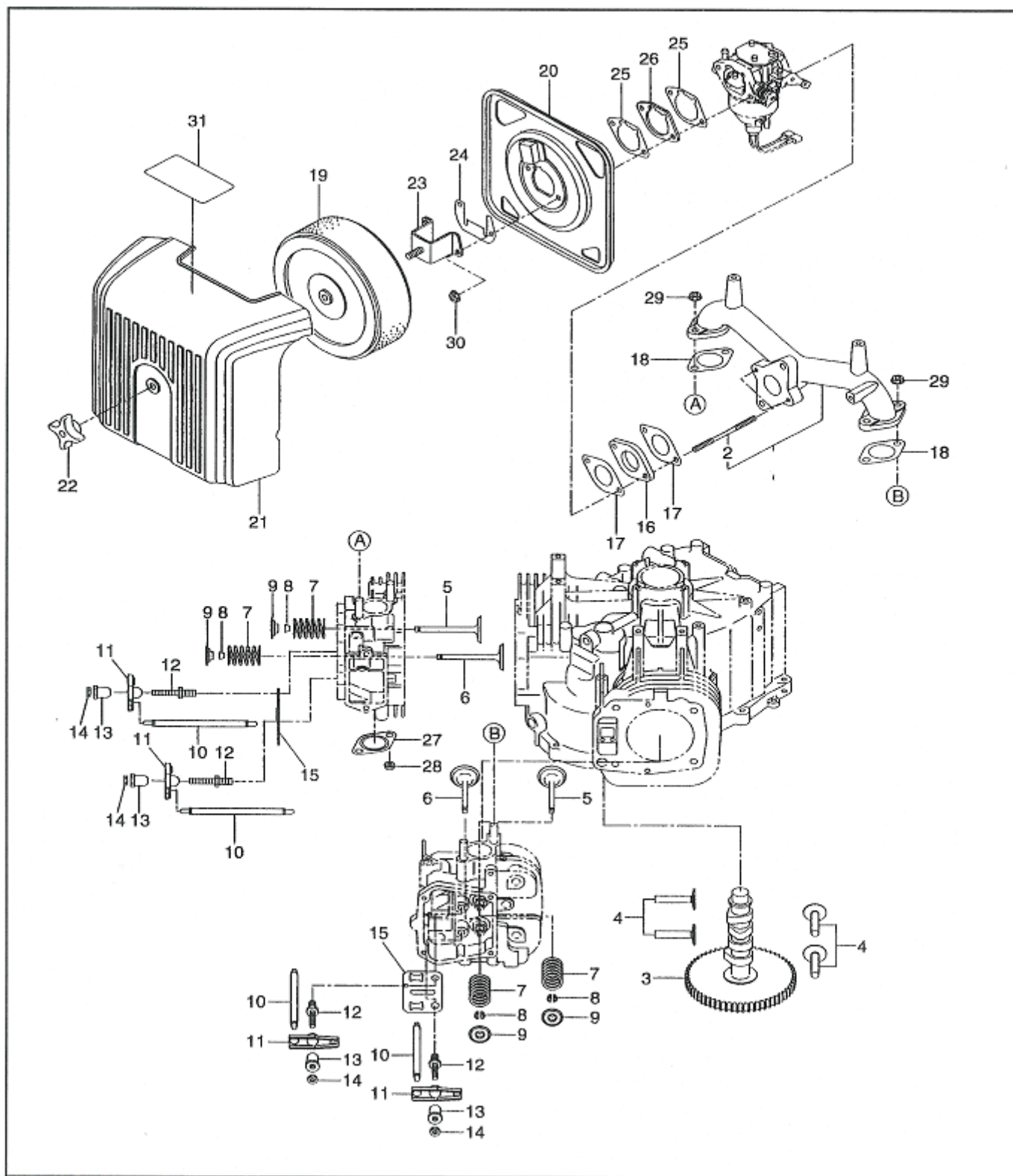
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FIG. 2 CRANKSHAFT GROUP

[illegible]

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FIG. 3 INTAKE and EXHAUST GROUP



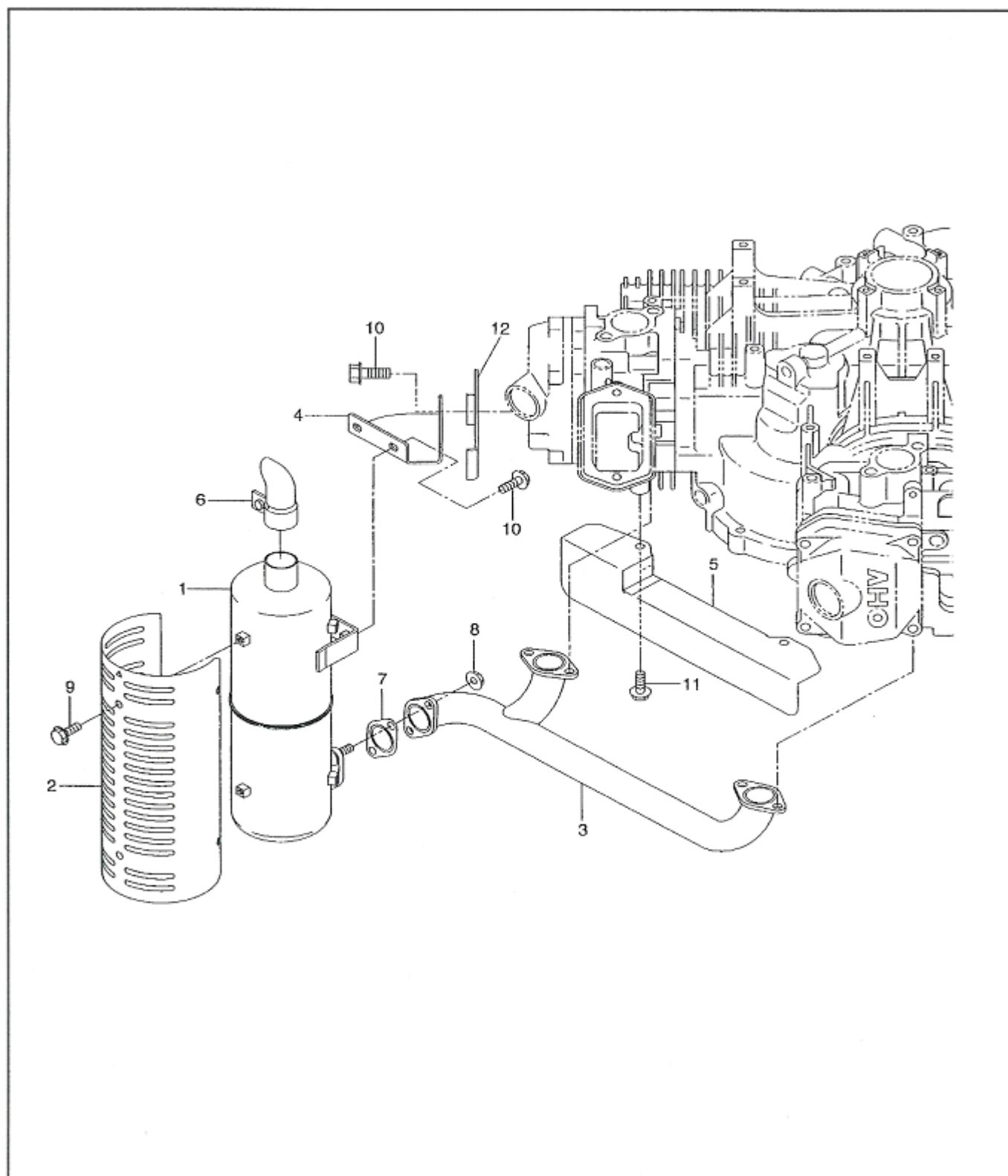
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FIG. 3 INTAKE and EXHAUST GROUP -

[illegible]

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FIG. 4 MUFFLER GROUP (OPTION PARTS) -



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FIG. 4 MUFFLER GROUP (OPTION PARTS)

[illegible]

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This technical diagram illustrates the exploded view of a Honda V45V engine assembly. The main engine block is shown at the top, with various components and their assembly points indicated by dashed lines and numbered callouts. The components include:

- 1**: A long, thin metal bracket or arm.
- 2**: A long, thin metal rod or pin.
- 3**: A small, curved metal piece.
- 4**: A small, curved metal piece.
- 5**: A small, curved metal piece.
- 6**: A small, rectangular metal component.
- 7**: A small, rectangular metal component.
- 8**: A small, rectangular metal component.
- 9**: A small, rectangular metal component.
- 10**: A small, rectangular metal component.
- 11**: A small, rectangular metal component.
- 12**: A small, rectangular metal component.
- 13**: A small, rectangular metal component.
- 14**: A small, rectangular metal component.
- 15**: A small, rectangular metal component.
- 16**: A small, rectangular metal component.
- 17**: A small, rectangular metal component.
- 18**: A small, rectangular metal component.
- 19**: A small, rectangular metal component.
- 20**: A small, rectangular metal component.
- 21**: A small, rectangular metal component.
- 22**: A small, rectangular metal component.
- 23**: A small, rectangular metal component.

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FIG. 5 GOVERNOR GROUP

[illegible]

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This exploded view diagram illustrates the assembly of a 150cc engine. The central component is the engine block, which features a cooling fan (7) and a timing cover (10). The assembly includes a cylinder head (1) with a piston (2) and connecting rod (3). The crankshaft (4) is shown with its main bearings (5) and side bearings (6). The timing belt (8) is driven by a pulley (11) and a tensioner (12). The timing cover (10) is secured with screws (14). The engine is mounted on a base plate (13) with mounting brackets (9) and screws (14). The diagram uses dashed lines to show the alignment and assembly sequence of the various components.

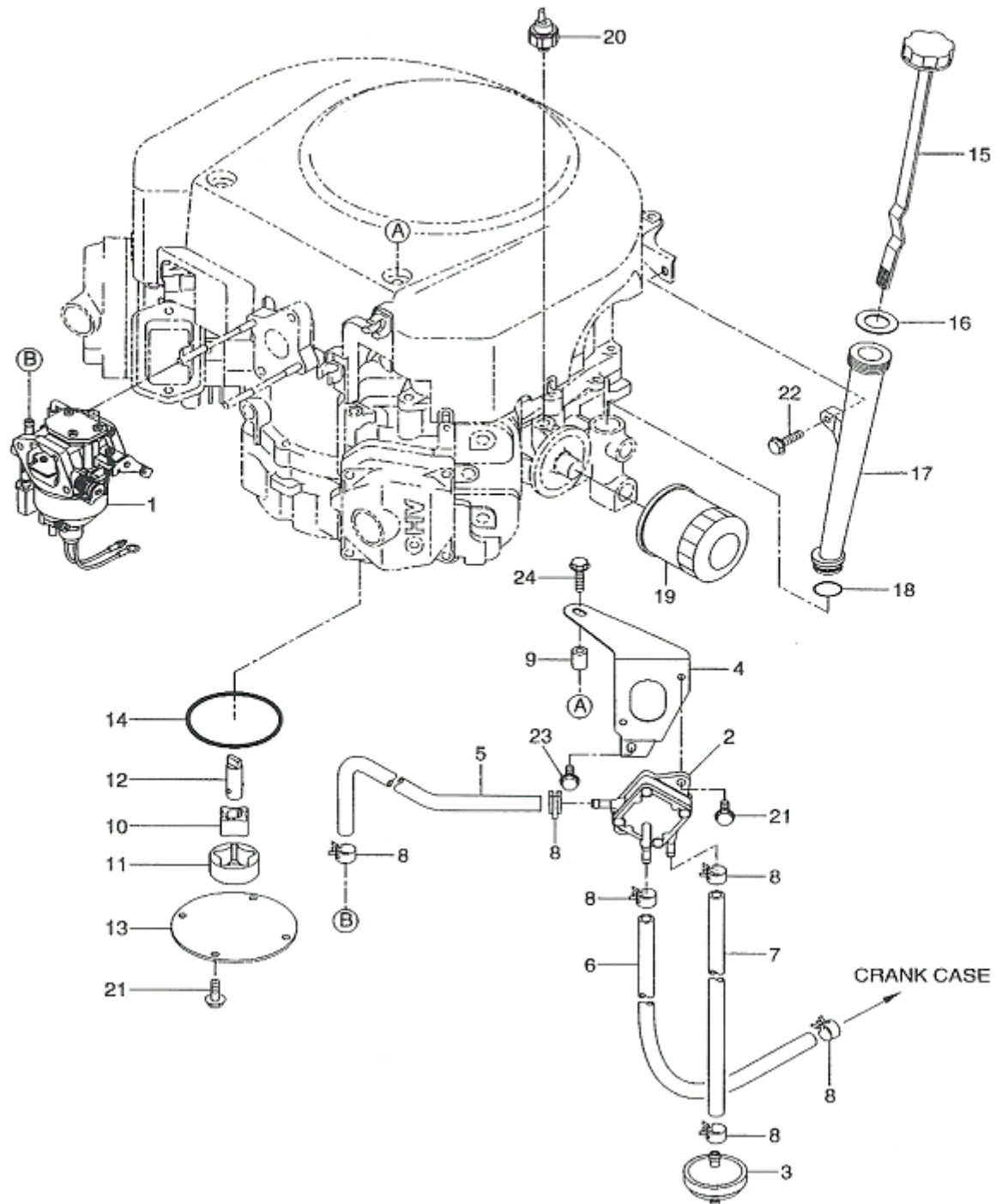
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FIG. 6 COOLING and STARTING GROUP

[illegible]

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FIG. 7 FUEL, LUBRICANT GROUP



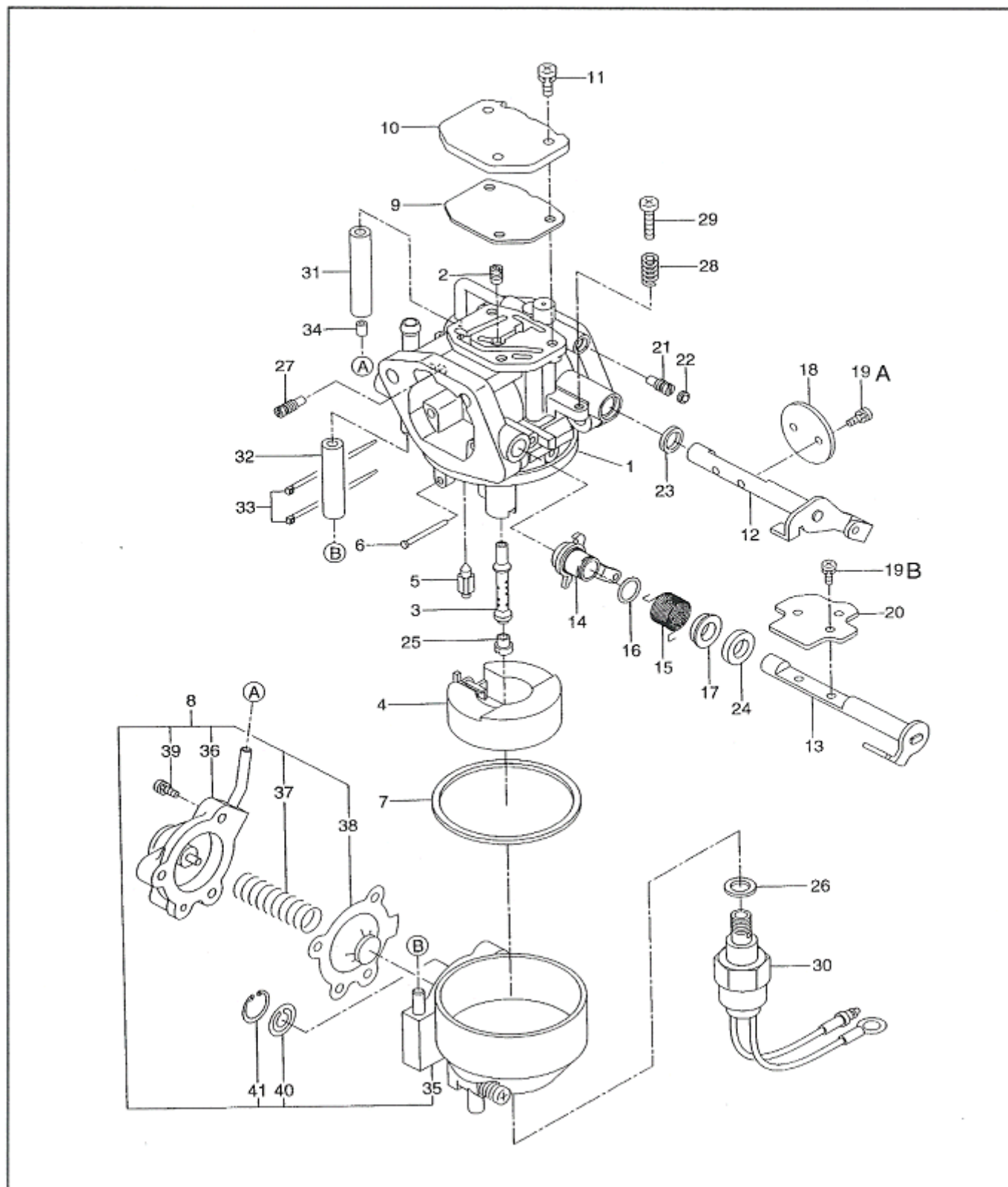
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FIG. 7 FUEL, LUBRICANT GROUP

[illegible]

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FIG. 8 CARBURETOR GROUP



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FIG. 8 CARBURETOR GROUP

REF	PART NUMBER	DESCRIPTION	QTY	REMARKS
1	263-62371-10	CARBURETOR ASS'Y	1	includes items 2 thru 41
2	263-62422-08	SLOW JET ASS'Y	1	
3	263-62440-08	MAIN NOZZLE	1	
4	263-62505-08	FLOAT	1	
5	263-62501-08	FLOAT VALVE	1	
6	263-62515-08	FLOAT PIN	1	
7	263-62575-08	FLOAT CHAMBER GASKET	1	
*8	263-62581-08	FLOAT CHAMBER, compl.	1	includes items 35 thru 41
9	263-62545-08	PASSAGE COVER GASKET	1	
10	263-62565-08	PASSAGE COVER	1	
11	263-62585-08	SCREW	3	
12	263-62533-08	THROTTLE SHAFT ASS'Y	1	
13	263-62521-08	CHOKE SHAFT ASS'Y	1	
14	263-62522-08	CHOKE LEVER ASS'Y	1	
15	263-62445-08	CHOKE ARM RETURN SPRING	1	
16	258-62551-08	CHOKE LEVER RING	1	
17	258-62553-08	CHOKE COLLAR	1	
18	263-62536-08	THROTTLE VALVE	1	
19A	258-62559-08	SCREW, THROTTLE VALVE SET	2	
19B	261-62352-08	SCREW, CHOKE VALVE SET	2	
20	263-62525-08	CHOKE VALVE	1	
21	261-62435-08	NEEDLE, compl.	1	
22	261-62358-08	EXPANSION PLUG	1	
23	263-62590-08	AIR FILTER	1	
24	258-62554-08	CHOKE SHAFT FILTER	1	
25	263-62404-08	MAIN JET (#128)	1	
26	215-62430-08	GASKET	1	
27	263-62410-08	SLOW AIR BLEED JET	1	
28	226-62446-08	SPRING, THROTTLE ADJUST SCREW	1	
29	263-62586-08	ROUND MACHINE SCREW	1	
30	263-62558-08	SOLENOID VALVE ASS'Y	1	
31	263-62356-08	VACUUM HOSE	1	
32	263-62357-08	FUEL HOSE	1	
33	107-62381-08	NYLON BAND	2	
34	263-62450-08	JET	1	
35	263-62582-08	FLOAT CHAMBER ASS'Y	1	
36	263-62359-08	COVER, compl.	1	
37	263-62320-08	SPRING	1	
38	263-62358-08	DIAPHRAGM ASS'Y	1	

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This exploded view diagram illustrates the assembly of a carburetor. The central component is the carburetor body (1). Above it are the float bowl (7) and the float valve assembly (4, 5, 3, 25). To the left, the throttle linkage mechanism is shown, including the throttle cable (37), throttle lever (38), and throttle shaft (36). To the right, the choke mechanism is detailed, featuring the choke lever (12), choke cable (13), and choke valve (14). Various other components like jets (21, 22), needles (23, 24), and gaskets (10, 9) are shown in their relative positions. Callouts A and B indicate specific assembly points or features. The diagram is a technical line drawing with dashed lines indicating the assembly path.

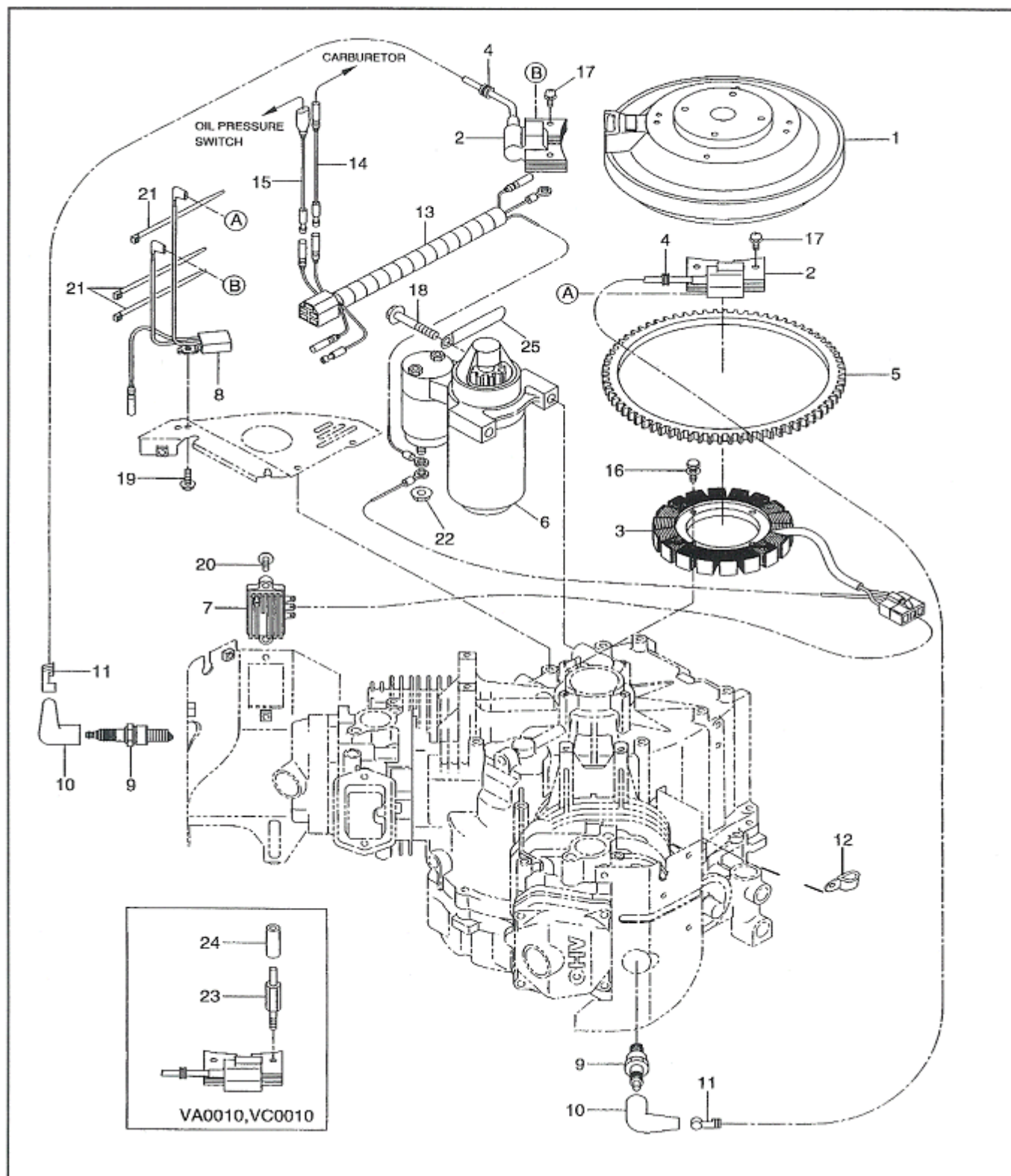
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FIG. 8 CARBURETOR GROUP

[illegible]

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FIG. 9 ELECTRIC DEVICE GROUP



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FIG. 9

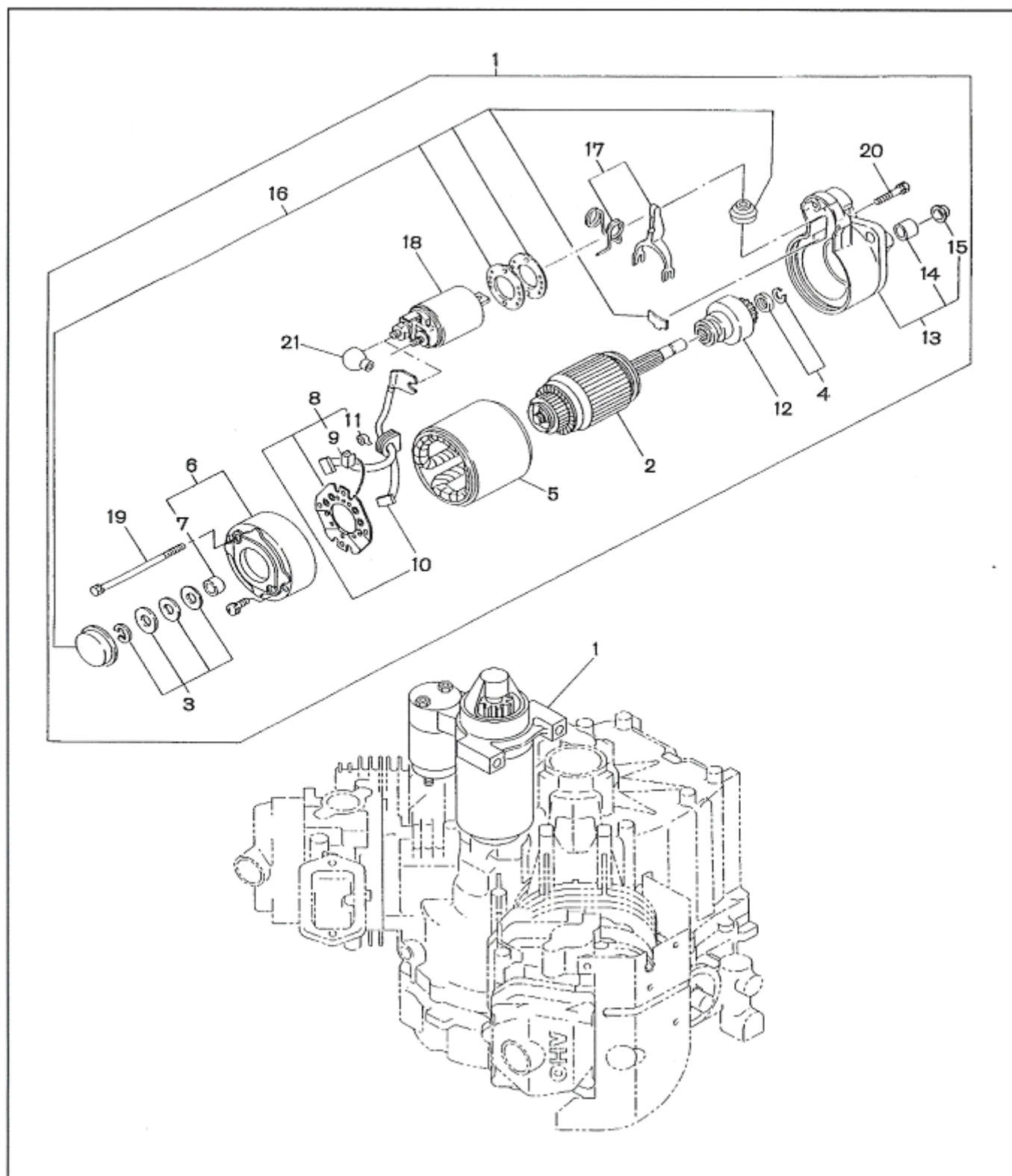
ELECTRIC DEVICE GROUP

[illegible]

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FIG. 10 STARTING MOTOR GROUP



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FIG. 10 STARTING MOTOR GROUP

[illegible]

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