

ENGINE

This exploded view diagram illustrates the assembly of a 2-stroke engine. The components are numbered 1 through 67. Red dashed lines indicate the assembly sequence and alignment of the parts. The diagram shows the following major sections:

- Cylinder and Piston Assembly:** Includes the cylinder head (1, 2, 3, 4, 5, 6, 7), piston (8, 9, 10, 11, 12, 13, 14), piston pin (15), and piston skirt (16).
- Connecting Rod and Crankshaft:** Shows the connecting rod (17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29) and the crankshaft (30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67).
- Valve Train:** Includes the intake valve (10, 11, 12, 13, 14), exhaust valve (15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29), and the valve train components (30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67).
- External Components:** Includes the carburetor (1, 2, 3, 4, 5, 6, 7), the cooling fan (8, 9, 10, 11, 12, 13, 14), the oil pump (15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29), and the flywheel (30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67).

38		GASKET, cylinder	1
37		CYLINDER	1
36		SPARK PLUG	1
35		BOLT M5×20	4
34		BOLT M5×12	1
33		COVER, cylinder	1
32		RUBBER	1
31		TOP COVER	1
30		BOLT M5×16	1
29		BOLT M5×20	4
28		PLATE	1
27		RUBBER	1
26		RECOIL ASS'Y	1
25		WASHER	1
24		PULLEY	1
23		WASHER	1
22		OIL SEAL	1
21		CRANKCASE COMP	1
20		GASKET, case	1
19		BEARING	2
18		PIN	4
17		KEY	1
16		CRANKSHAFT COMP	1
15		CRANKCASE COMP	1
14		OIL SEAL	1
13		BOLT M5×35	4
12		CORD COMP	2
11		COIL ASS'Y	1
10		WASHER	16
9		WASHER	16
8		BOLT M5×20	2
7		ROTOR	1
6		WASHER	2
5		SHOE, clutch	1
4		WASHER	2
3		SCREW M8	2
2		COVER, fan	1
1		BOLT M5×25	2
Item	Code	Description	Qty

SHAFT

