



# DHZ OUTLAW160R GPX z160HO Engine Parts Diagram

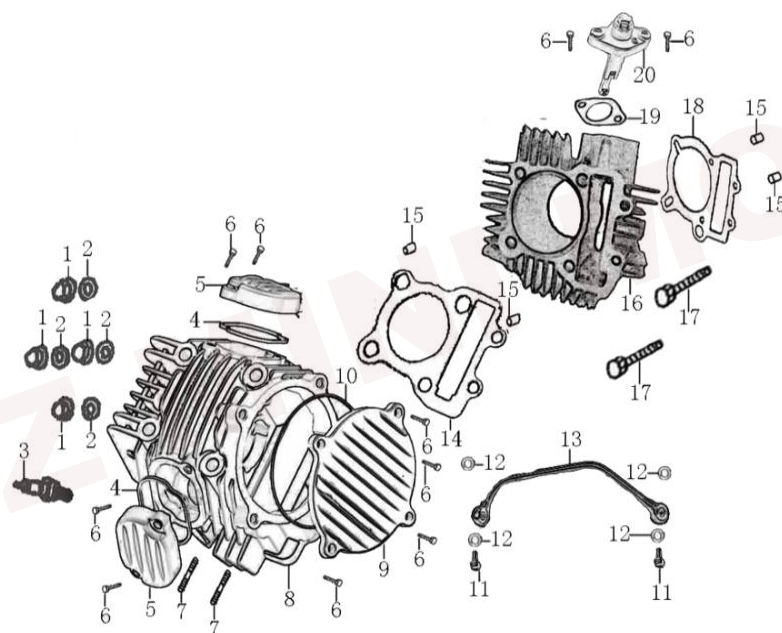




## TABLE OF CONTENT

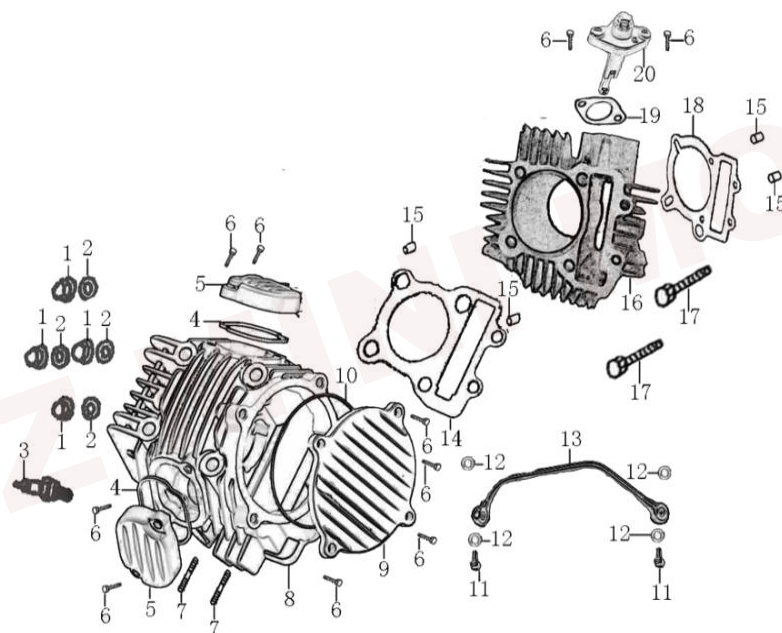
CYLINDER ASSY.	1
VALVE MECHANISM	3
CRANKCASE COVER	5
CLUTCH ASSY	7
OIL PUMP	8
CRANKCASE	10
CRANKSHAFT CONNECTING-ROD ASSY/PISTON	11
TRANSMISSION MECHANISM	13
GEARSHIFT MECHANISM	17
MAGNETO COMP	19

## CYLINDER ASSY.

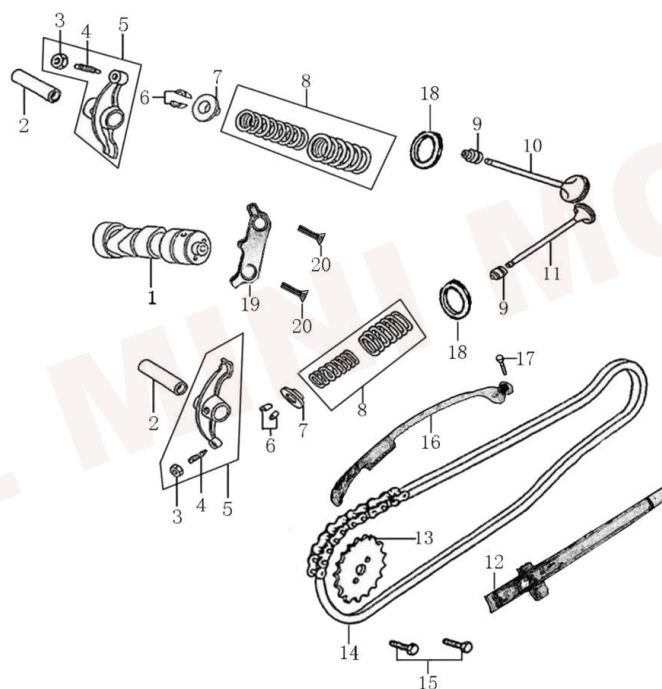


REF.No.	PART No.	DESCRIPTION	QTY
1	91201-I006-00000X	NUT M8	4
2	93301-80852018000	WASHER 8.5x2.2x18	4
3	81300-G011-0000	SPARK PLUG (A7TC)	1
4	90104-JE15-0000	LIFTER ASSY	2
5	11230-JE15-00000W	CYLINDER HEAD COMP	2
6	B166740A06001870X	BOLT M6x18	10
7	91138-MA21-00000X	STUD M8x45	2
8	1122B-JE15-00000W	CYLINDER HEAD ASSEMBLY	1
9	11227-JE15-00000W	L.COVER	1
10	90122-JE15-0000	GASKET, L.COVER	1
11	91107-PE03-00000X	BOLT M8x23	2
12	93301-80821014000	WASHER 8.2x1x14	4
13	19305-JE15-0000	VITTA	1
14	9022B-JE15-0000	GASKET ASSEMBLY, CYLINDER HEAD	1
15	91521-10001400000	PIN 10x14	4

**CYLINDER ASSY.**

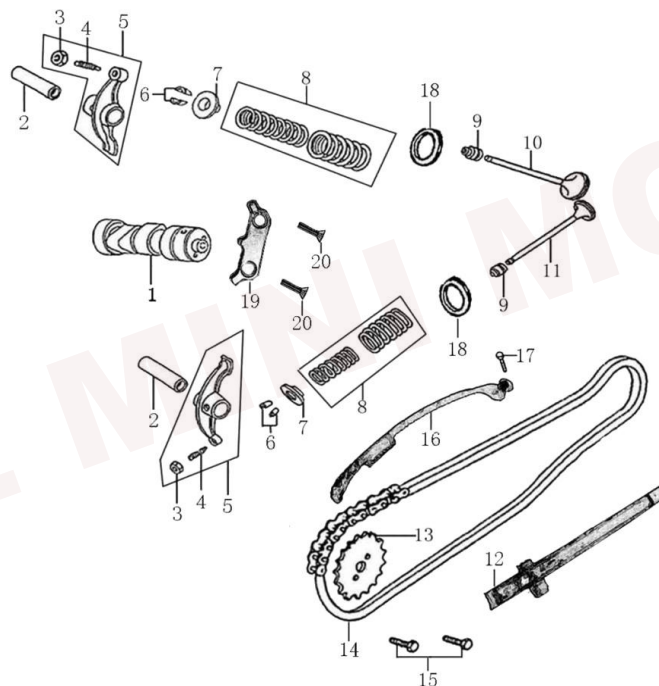
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## VALVE MECHANISM

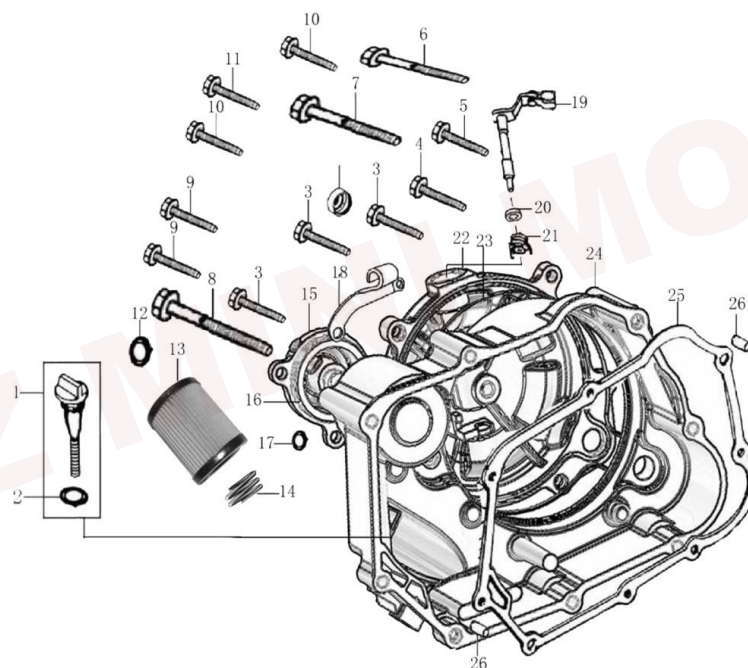


REF.No.	PART No.	DESCRIPTION	QTY
1	15100-JE15-0000	CAMSHAFT PARTS	1
2	15402-JE15-0000	SHAFT, VALVE ROCKER ARM	2
3	15403-D002-0000	ADJUSTING NUT, VALVE CLEARANCE	2
4	15404-D002-0000	ADJUSTING SCREW, VALVE CLEARANCE	2
5	1540A-D002-0000	ASSEMBLY, VALVE ROCKER ARM	2
6	15707-JE15-0000	VALVE COTTER	4
7	15705-JE15-0000	RETAINER, VALVE SPRING	2
8	15710-JE15-0000	VALVE INNER SPRING	2
9	1572B-I008-0000	VALVE STEM SEAL ASSEMBLY	2
10	15701-JE15-0000	INLET VALVE	1
11	15702-JE15-0000	EXHAUST VALVE	1
12	1553A-JE15-0000	GUIDE PLATE CHAIN	1
13	15301-JE15-0000	TIMING DRIVEN SPROCKET (32)	1
14	1532B-JE15-0000	ASSEMBLY, TIMING CHAIN (90)	1
15	B057830006001270X	BOLT M6x12	2

## VALVE MECHANISM

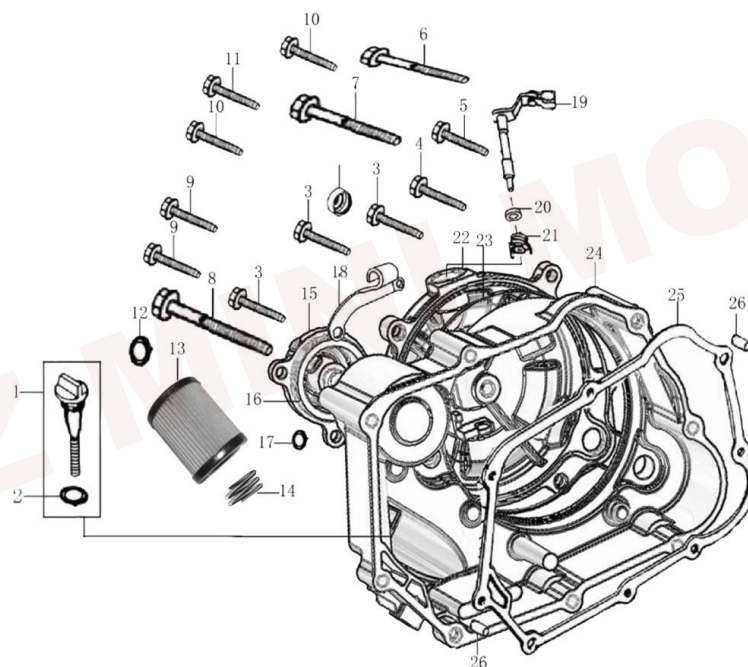
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## CRANKCASE COVER



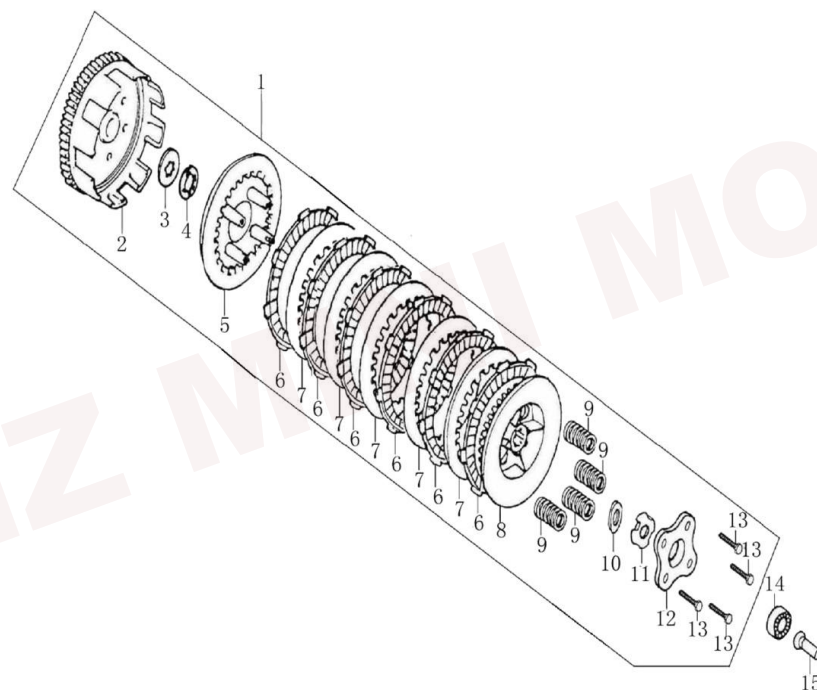
REF.No.	PART No.	DESCRIPTION	QTY
1	14301-G011-0000	DIPSTICK	1
2	90101-10180000300	O-RING 18x3	1
3	B166740A06004070X	BOLT M6x40	3
4	B166740A06004570X	BOLT M6x45	1
5	B166740A06006570X	BOLT M6x65	1
6	B166740A06009070X	BOLT M6x90	1
7	B166740A06009570X	BOLT M6x95	1
8	B166740A060012570X	BOLT M6x125	1
9	B166740A06001670X	BOLT M6x16	2
10	B166740A06003270X	BOLT M6x32	2
11	B166740A06002070X	BOLT M6x20	1
12	90101-20050000180	O-RING 5x1.8	1
13	14210-I038-0000	OIL FILTER	1
14	12403-I038-0000	SPRING, OIL FINE FILTER	1
15	12402-JZ28-00000W	CAP, OIL FILTER	1

## CRANKCASE COVER



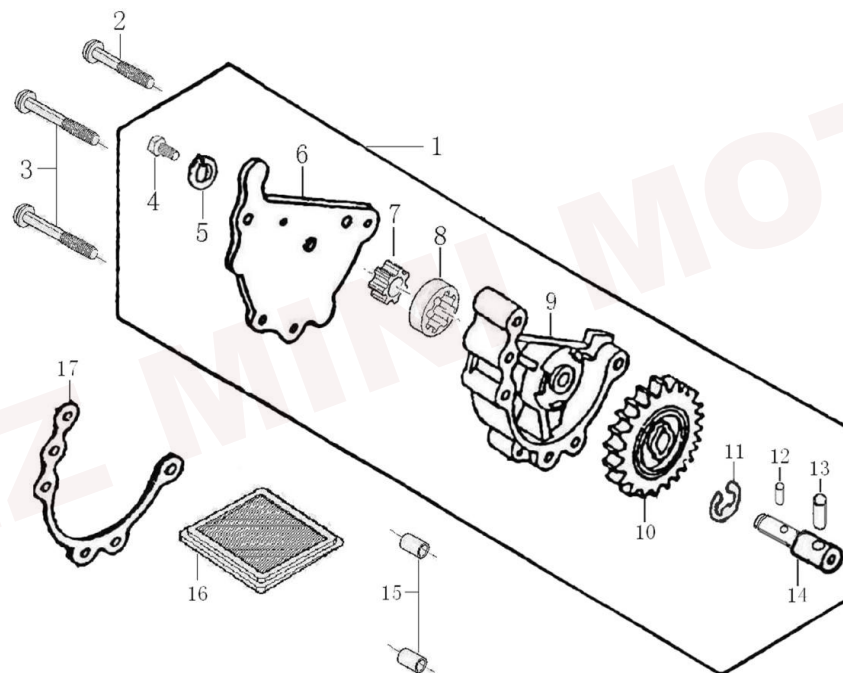
REF.No.	PART No.	DESCRIPTION	QTY
16	90101-10440000250	O-RING 44x2.5	1
17	90101-10065000180	O-RING 6.5x1.8	1
18	22422-JA16-00000X	STEEL BRACKET, CLUTCH	1
19	12421-JE15-000089	ASSEMBLY, RIGHT CRANKCASE COVER	1
20	22427-I016-0000	SPRING, CONTROLLING ARM, CLUTCH	1
21	90306-I016-0000	OIL SEAL 12x18x5	1
22	12425-JZ28-00000W	DECORATE COVER,R.CRANKCASE COVER	1
23	90105-JZ28-0000	RING	1
24	1222B-JE15-00000W	RIGHT CRANKCASE BLOCK	1
25	90206-JE15-0000	GASKET, R.CRANKCASE COVER	1
26	91521-08001200063	DOWEL PIN 8x12x6.3	2



**CLUTCH ASSY.**


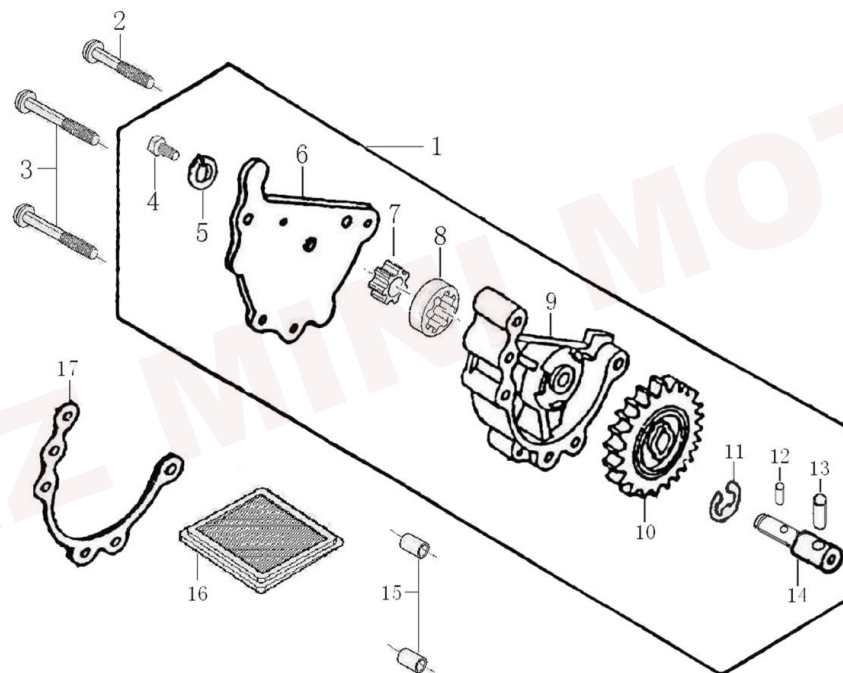
REF.No.	PART No.	DESCRIPTION	QTY
1	22000-JZ28-0000	CLUTCH ASSEMBLY	1
2	22150-IZ27-0000	OUT CASE ASSEMBLY, CLUTCH	1
3	22002-G011-0000	SPRINE WASHER, CLUTCH (φ28×2.6)	1
4	22103-G011-0000	FIXING RING, CLUTCH	1
5	22122-JA16-0000	PRESSURE PLATE, CLUTCH	1
6	22214-I006-0000	FRICTION PLATE, DRIVE, CLUTCH	6
7	22215-JA16-0000	FRICTION PLATE, DRIVEN, CLUTCH	5
8	22105-JA16-0000	CENTER SLEEVE, CLUTCH	1
9	22142-JE15-0000	SPRING, CLUTCH	4
10	22004-G011-0000	THRUST WASHER	1
11	91202-G011-0000	NUT M14×1	1
12	22121-G011-0000	END COVER, CLUTCH	1
13	B057890006002270B	BOLT M6×22	4
14	92102-00000006000	BEARING (6000)	1
15	22403-G007-0000	PUSH ROD, CLUTCH	1

## OIL PUMP PARTS

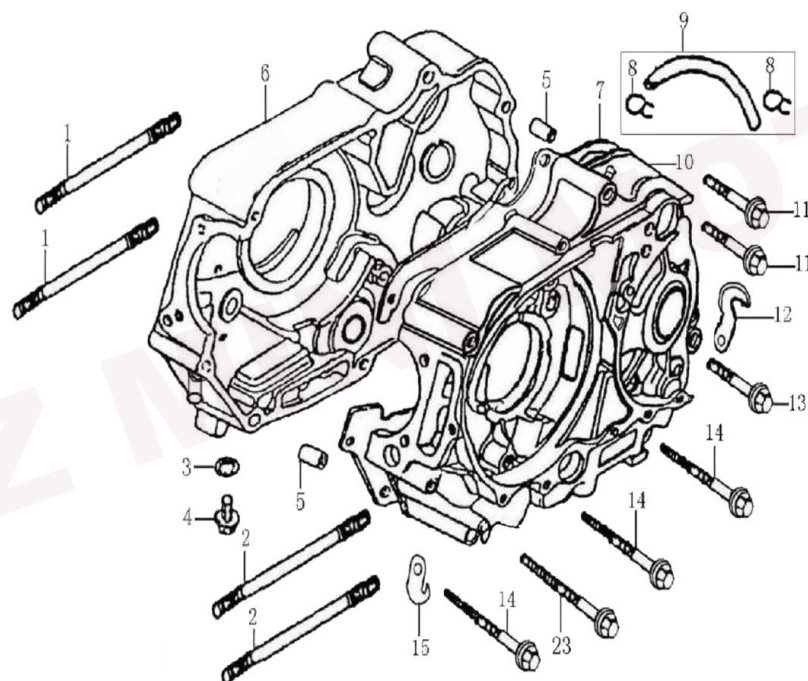


REF.No.	PART No.	DESCRIPTION	QTY
1	14100-JE15-0000	OIL PUMP	1
2	B008230006003520B	SCREW M6x35	1
3	B008230006004020B	SCREW M6x40	2
4	B057820005001270B	BOLT M5x12	1
5	B0009300050000000	WASHER 5	1
6	14108-JE15-0000	COVER, OIL PUMP	1
7	14111-JE15-0000	INNER ROTOR, OIL PUMP	1
8	14112-JE15-0000	OUTER ROTOR, OIL PUMP	1
9	14110-JE15-0000	CASE, OIL PUMP	1
10	1410B-JE15-0000	GEAR, OIL PUMP	1
11	B0089600060000000	WASHER 6	1
12	B0011902025100000	PIN 2.5x10	1
13	91522-03001600000	PIN3.0x16	1
14	14107-JE15-0000	SHAFT, OIL PUMP	1
15	91521-08001200063	DOWEL PIN 8x12x6.3	2

## OIL PUMP PARTS

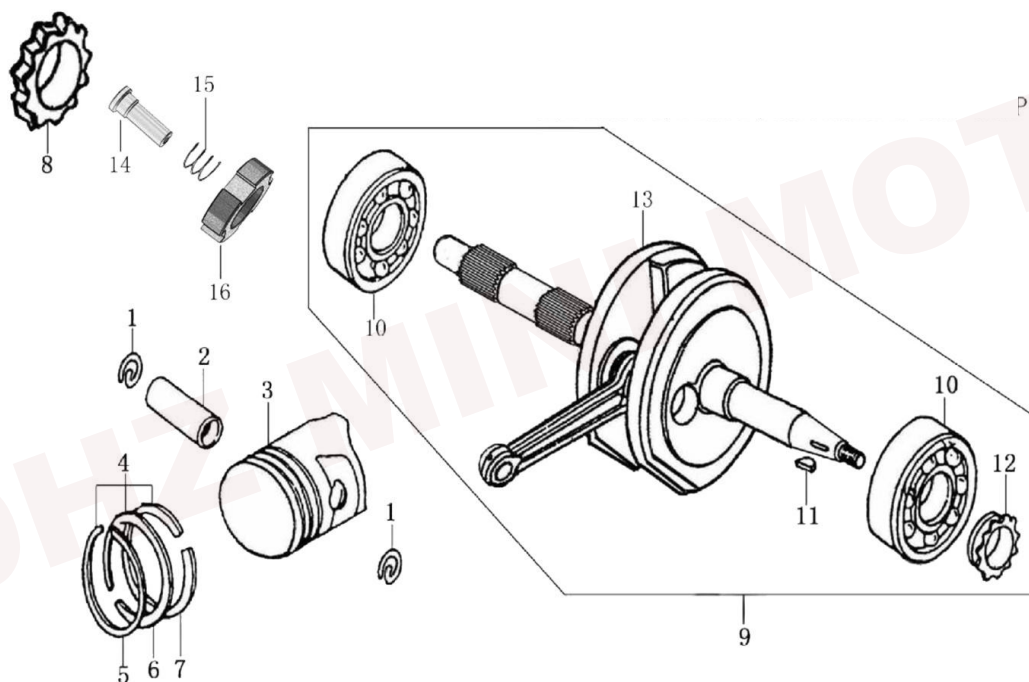
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## CRANKCASE



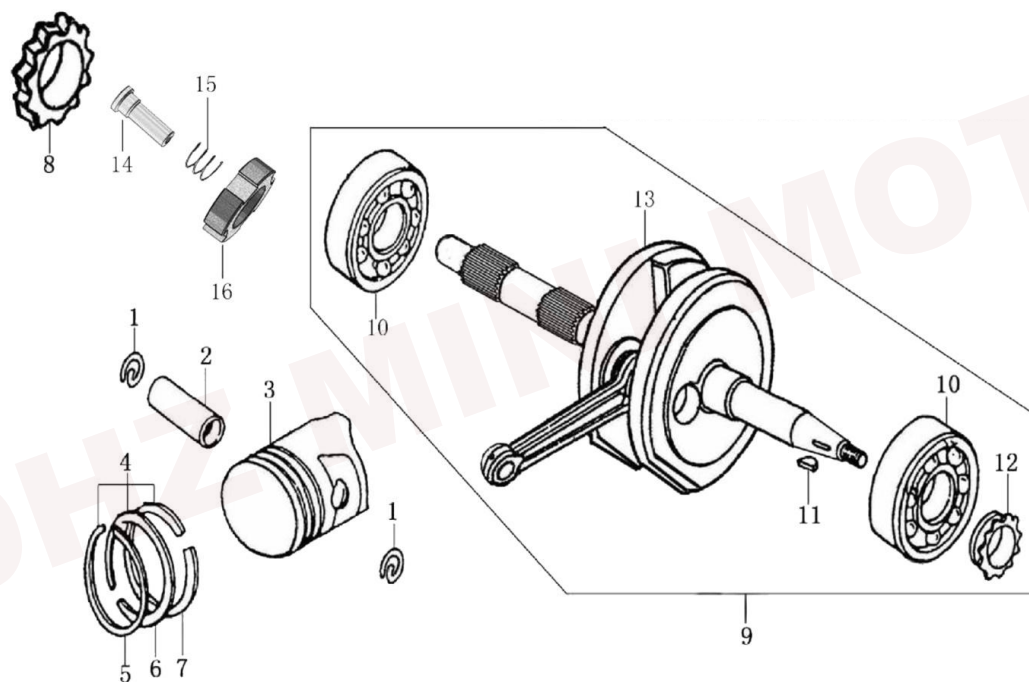
REF.No.	PART No.	DESCRIPTION	QTY
1	91102-JE15-0000	CYLINDER STUD BOLT B	2
2	91101-JE15-0000	CYLINDER STUD BOLT A	2
3	93301-71242020000	WASHER 12.5x1.5x20 (ALUMINIUM)	1
4	91103-I008-00000X	OIL DRAIN PLUG	1
5	91521-10001400000	DOWEL PIN 10x14	2
6	1222B-JE15-000089	ASSEMBLY, RIGHT CRANKCASE	1
7	90208-JE15-0000	GASKET, CRANKCASE	1
8	91405-D002-00000C	CLIP, BREATHER TUBE	2
9	12130-G011-0102	BREATHER PIPE (1#)	1
10	1212B-JE15-000089	ASSEMBLY, LEFT CRANKCASE	1
11	B166740A06006070X	BOLT M6x60	2
12	11003-D002-00000X	CLIP, HIGH VOLTAGE WIRE	1
13	B166740A06005070X	BOLT M6x50	1
14	B166740A06006570X	BOLT M6x65	3
15	12108-D002-00000X	CLIP, OVERFLOW PIPE	1

## CRANKSHAFT/PISTON/CONNECTING ROD COMP

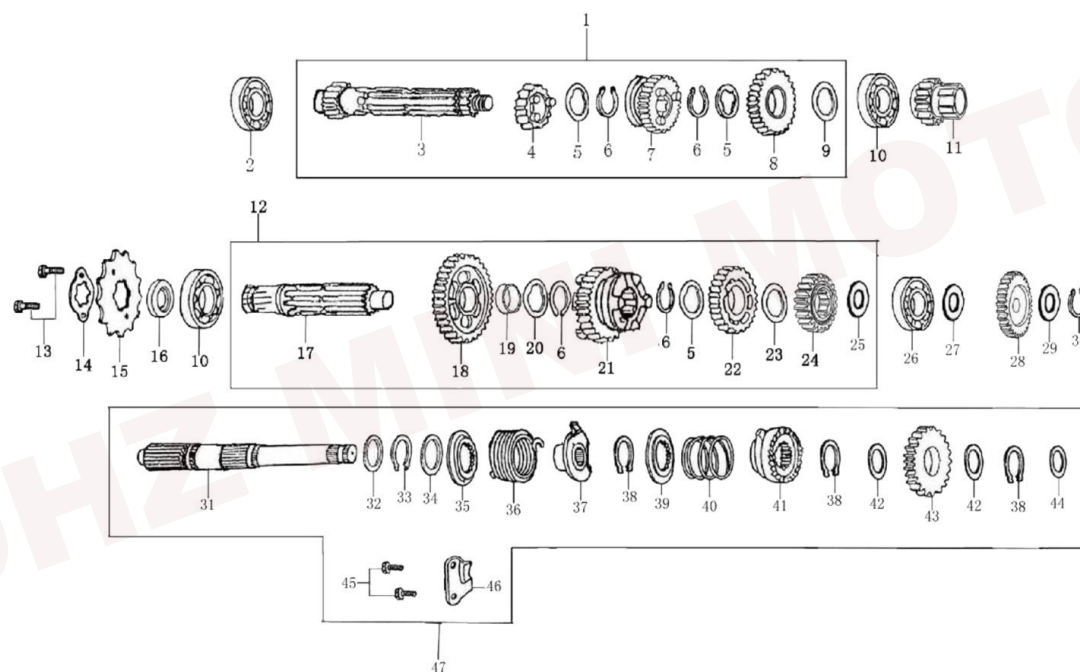


REF.No.	PART No.	DESCRIPTION	QTY
1	91401-D002-0000	CIRCLIP, PISTON PIN	2
2	13102-JE15-0000	PIN, PISTON	1
3	13101-JE15-0000	PISTON	1
4	1310A-JE15-0000	ASSEMBLY, PISTON RING	1
5	13103-JE15-0000	PISTON RING (1ST)	1
6	13104-JE15-0000	PISTON RING (2ND)	1
7	13120-JE15-0000	ASSEMBLY, OIL RING	1
8	14101-IZ02-0000	DRIVE GEAR, OIL PUMP	1
9	1320B-JZ28-0000	ASSEMBLY, CRANK SHAFT CONNECTING ROD	1
10	92102-00000562215	BEARING (TM-SC04A86/P5CS12 56x22x15)	2
11	91601-D002-0000	SEMICIRCULAR KEY 4x12.5	1
12	13222-JE15-0000	TIMING DRIVE SPROCKETT	1
13	13220-JE15-0000	CRANK SHAFT CONNECTING ROD	1
14	13228-IZ22-0000		1
15	14202-I016-0000		1

## CRANKSHAFT/PISTON/CONNECTING ROD COMP

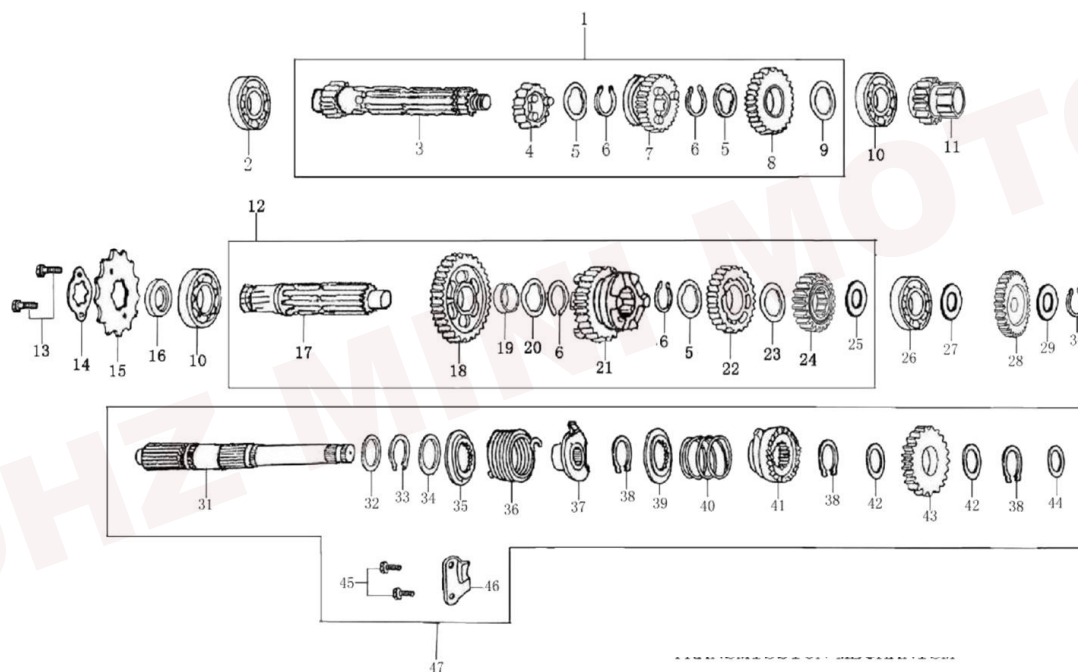
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## TRANSMISSION MECHANISM



REF.No.	PART No.	DESCRIPTION	QTY
1	23220-JA16-0000	MAINSHAFT ASSEMBLY	1
2	92102-00000006001	BEARING (6001)	1
3	23221-JA16-0000	PIVOT, MAINSHAFT	1
4	23222-JA16-0002	MAINSHAFT 2ND SPEED GEAR	1
5	23223-D002-0000	SPLINE WASHER 15.5(17.2)x1.2x21	3
6	23226-D002-0000	CIRCLIP, MAINSHAFT GEAR	4
7	23222-JA16-0003	MAINSHAFT 3RD SPEED GEAR	1
8	23222-JA16-0004	MAINSHAFT 4TH SPEED GEAR	1
9	93301-61710526000	WASHER 17.1x0.5x26	1
10	92102-00000006203	BEARING (6203)	2
11	23233-IZ02-0000	STARTING GEAR	1
12	23240-JA16-0000	ASSEMBLY, COUNTERSHAFT	1
13	B057830006001070B	BOLT M6x10	2
14	23402-D002-0000	LOCATING PLATE	1
15	23401-G011-0008	DRIVE SPROCKET (428.15)	1

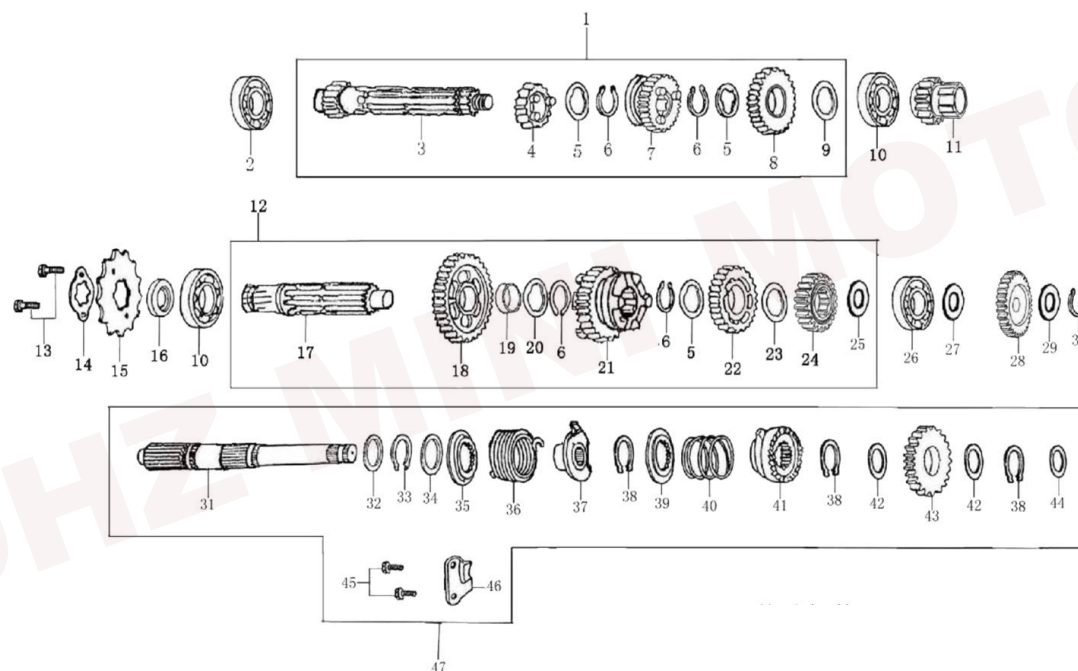
## TRANSMISSION MECHANISM



REF.No.	PART No.	DESCRIPTION	QTY
16	90303-D002-0000	OIL SEAL 17x29x5	1
17	23241-JA16-0000	PIVOT, COUNTERSHAFT	1
18	23242-D002-0001	COUNTERSHAFT 1ST SPEED GEAR	1
19	23247-D002-0000	SLEEVE, COUNTERSHAFT GEAR 20x19	1
20	23223-D002-0002	SPLINE WASHER15.5(17.2)x1.2x23	1
21	23242-D002-0002	COUNTERSHAFT 2ND SPEED GEAR	1
22	23242-JA16-0003	COUNTERSHAFT 3RD SPEED GEAR	1
23	93301-51721026000	CIRCLIP 17.2x1.0x26	1
24	23242-JA16-0004	COUNTERSHAFT 4TH SPEED GEAR	1
25	93301-5152052300C	WASHER 15.2x0.5x23	1
26	92102-00006002SKF	BEARING (6002SKF)	1
27	93301-5152152500N	WASHER 15.2x1.5x25	1
28	23248-IZ02-0000	IDLE GEAR, COUNTERSHAFT STARTING	1
29	93301-61521025000	WASHER 15.2x1x25	1
30	B0089401150000000	CIRCLIP 15	1

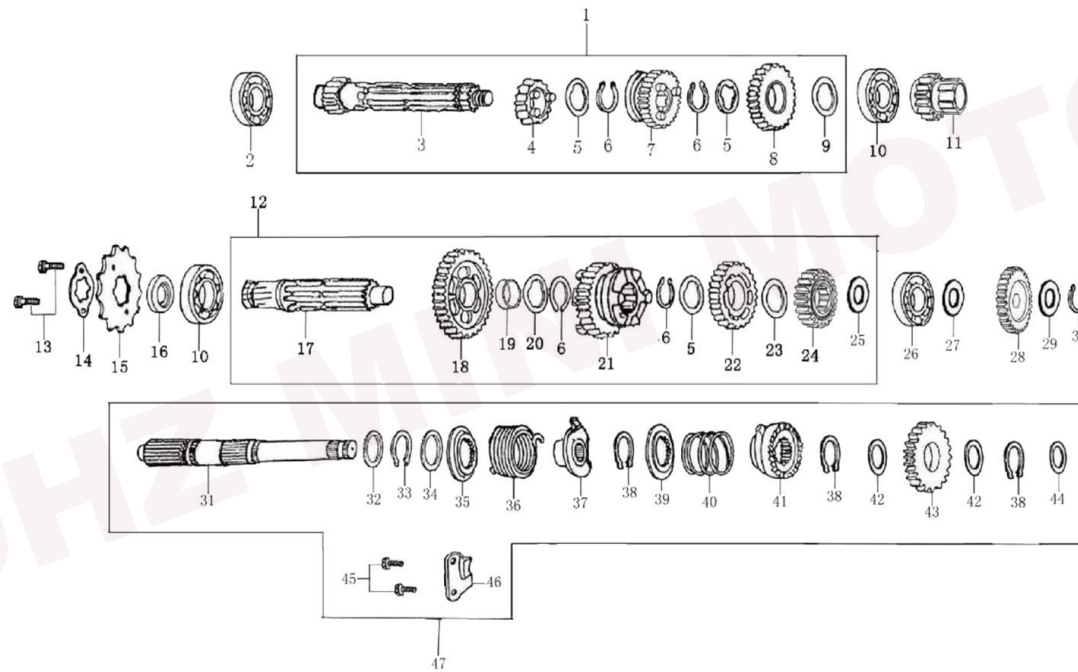


## TRANSMISSION MECHANISM

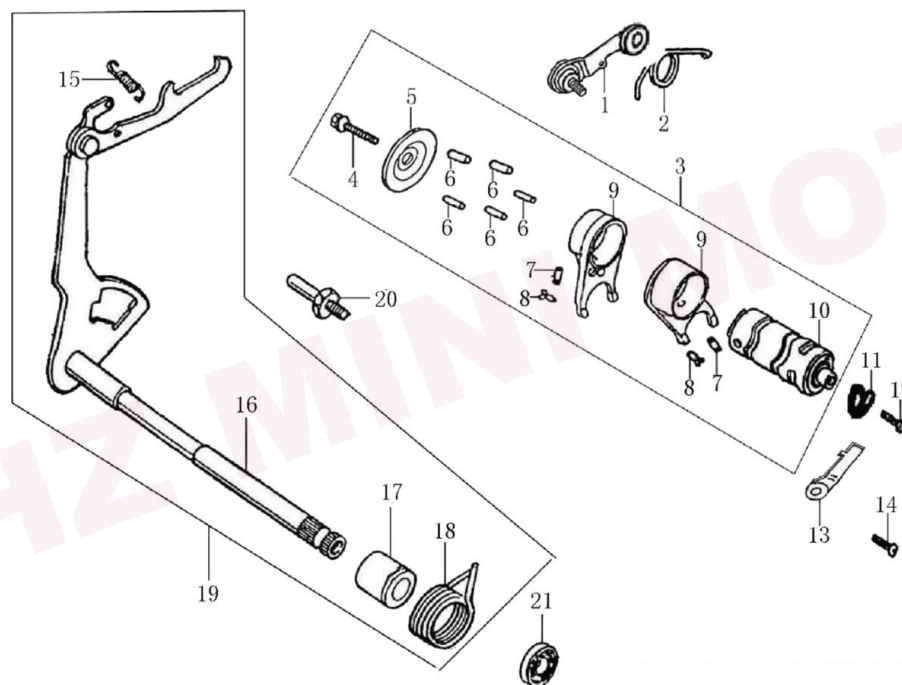


REF.No.	PART No.	DESCRIPTION	QTY
31	21107-IZ02-0000	PIVOT, KICK STARTING SHAFT	1
32	93301-61410522000	WASHER 14.1x0.5x22	1
33	91402-D002-0000	CHECK RING $\phi 15.5 \times 1.2 \times \phi 19$	1
34	93301-61721024000	WASHER 17.2x1x24	1
35	21104-IZ02-0000	SEAT, SPRING, KICK STARTING SHAFT	1
36	21106-IZ02-0000	RETURN SPRING, KICK STARTING SHAFT	1
37	21104-D002-0000	ASSEMBLY, COUNTERSHAFT	1
38	91402-D002-0100	CIRCLIP $\phi 18.5 \times 1.2 \times \phi 22.1$	3
39	21122-D002-0000	SEAT, RATCHET WHEEL	1
40	21119-D002-0000	SPRING, KICK STARTING RATCHET WHEEL	1
41	21118-IZ02-0000	RATCHET WHEEL, KICK STARTER	1
42	93301-62011027000	WASHER 20.1x1x27	2
43	21117-IZ02-0000	GEAR, KICK STARTER	1
44	93301-61411022000	WASHER 14.1x1x22	1
45	B057830006001870B	BOLT M6x18	2

## TRANSMISSION MECHANISM

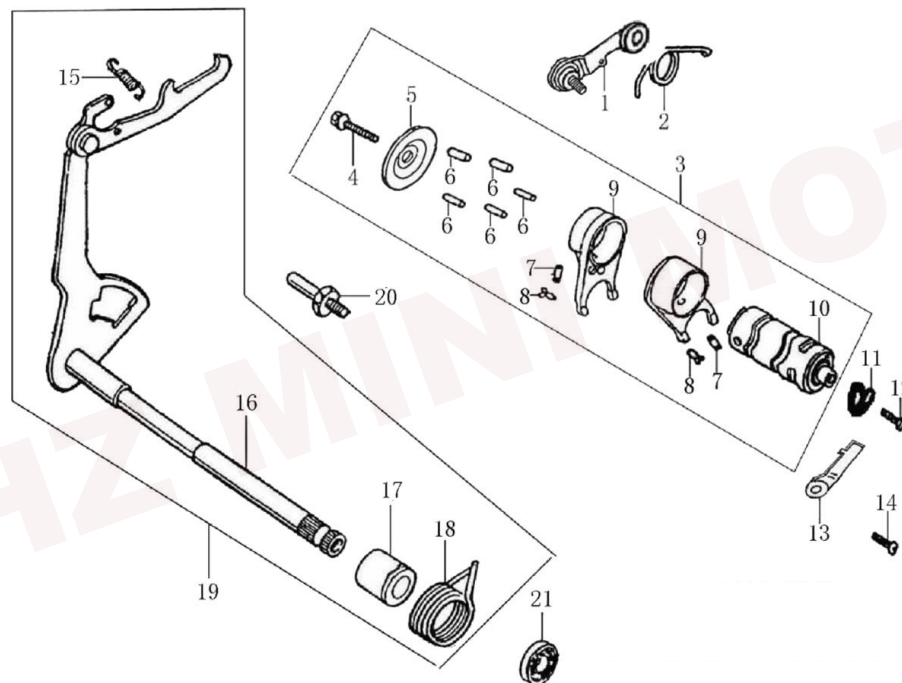
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## GEARSHIFT MECHANISM

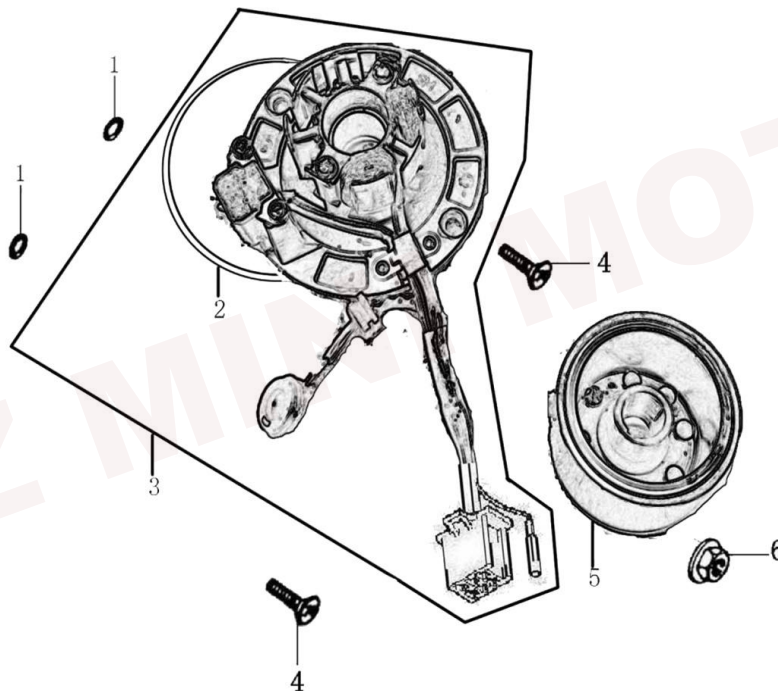


REF.No.	PART No.	DESCRIPTION	QTY
1	2434A-H032-0000	LOCATING PLATE UNIT	1
2	24304-G011-0000	SPRING, LOCATING PLATE	1
3	24200-JE15-0000	ASSEMBLY, GEARSHIFT DRUM	1
4	B008200006002020B	BOLT M6x20	1
5	24212-D002-0000	STOPPING PLATE	1
6	91522-04001300000	PIN, GEARSHIFT DRUM 4x13	5
7	24102-D002-0000	GUIDE PIN	2
8	24103-D002-0000	CLIP, SPRING	2
9	24101-D002-0000	GEARSHIFT FORK	2
10	24213-JE15-0000	GEARSHIFT DRUM	1
11	88004-G011-0000	CONTACT, GEAR INDICATION	1
12	91149-G011-00000C	SCREW	1
13	88002-G011-0001	GEARSHIFT SWITCH PRESSING PLATE	1
14	B008230006001220B	SCREW M6x12	1
15	24318-D002-0000	SPRING, GEARSHIFT LEVER TENSION	1

## GEARSHIFT MECHANISM

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## MAGNETO COMP

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