

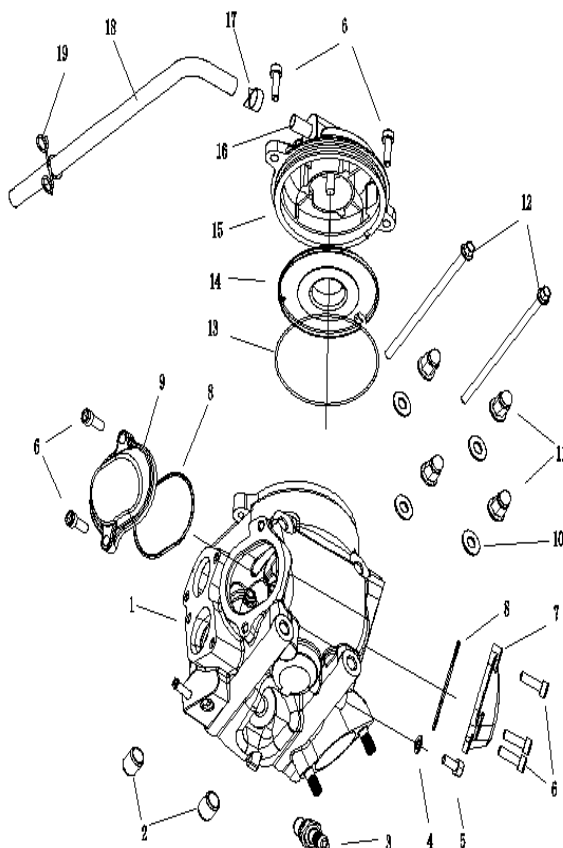


# **TRAILMASTER TAURUS 450U ENGINE PARTS MANUAL**

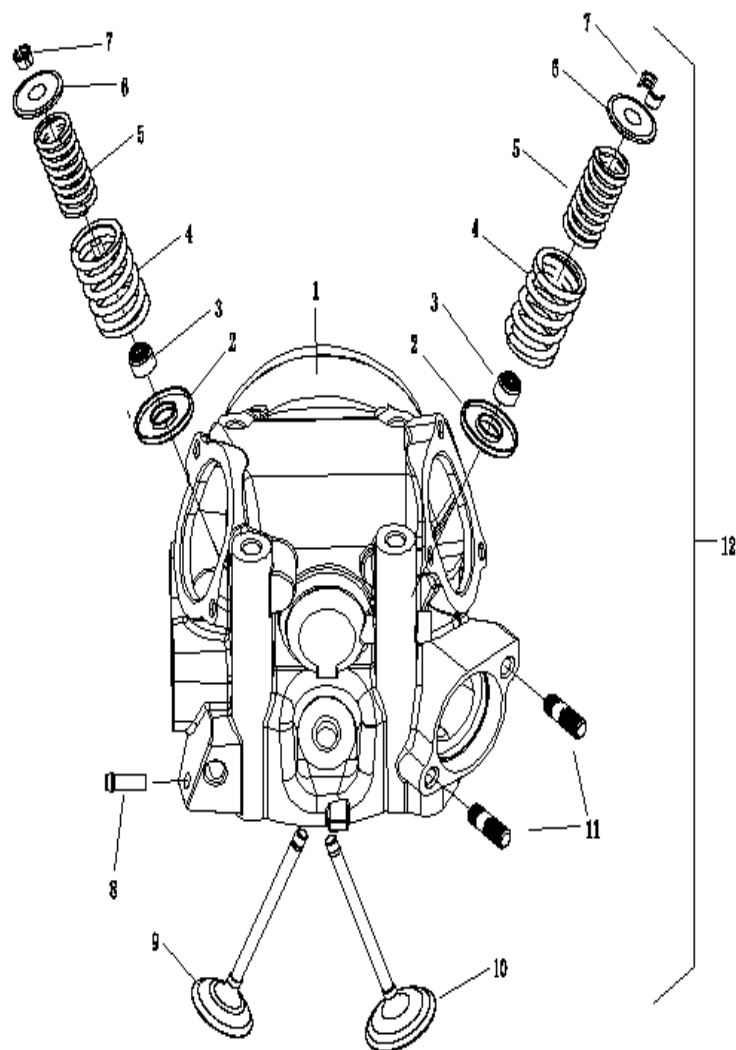
**VERSION:1.0**

**08/23/2020**

**CYLINDER HEAD ASSY.**

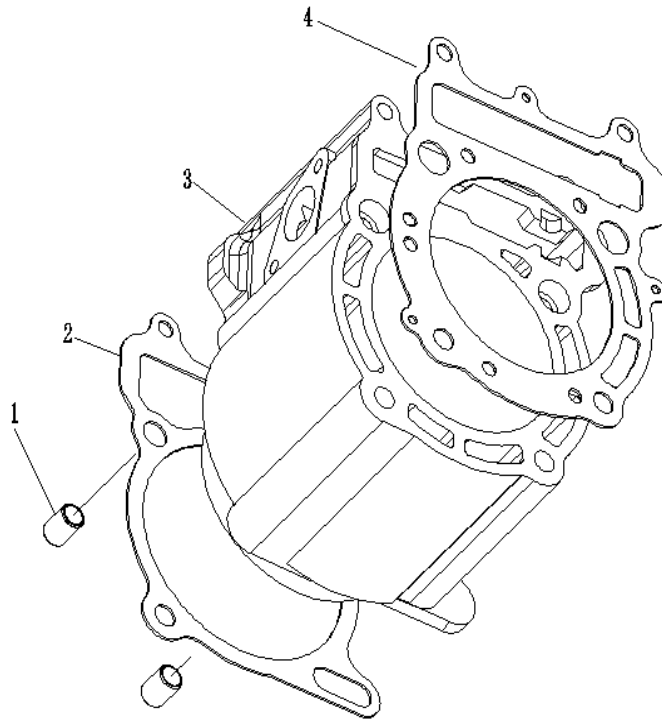


REF.No.	PART No.	PART NAME	Q'TY
1	1MQ1111000	CYLINDER HEAD ASSY	1
2	1MQ1118200	PIN DOWEL 14X16	2
3	1MQ1115000	PLUG SPARK-NGK DR8EA	1
4	1ME1132100	WASHER 6.5	1
5	9151306012165300	BOLT M6X12	1
6	9218306020362300	BOLT SOCKET HEAD M6X20	7
7	1MQ1118700	VALVE COVER EXHAUST SIDE	1
8	1MQ1118800	O-RING 57.5X2.3	2
9	1MQ1118600	VALVE COVER INTAKE SIDE	1
10	1MQ1117700	WASHER PLATE 8	4
11	1MQ1117600	ACORN NUTS M8	4
12	9184306130105300	FLANGE BOLT M6X130	2
13	1MQ1116900	O-RING 95X3.3	1
14	1MQ1116400	BREATHER ASSY I	1
15	1MQ1116800	BREATHER ASSY	1
16	1MQ1116700	PIPE JOINT	1
17	1MQ1116500	CLIP 13MM	1
18	1MQ1116600	PIPE BREATHER1	1
19	1MQ1373600	STELL WIRE CLAMP 15	1



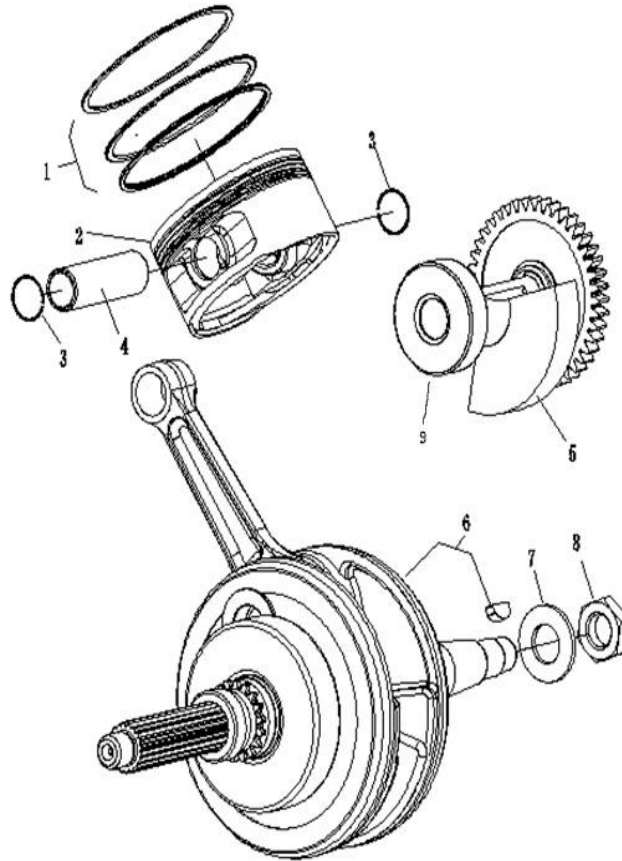
REF. No.	PART No.	PART NAME	Q'TY
1	1MQ1111100	CYLINDER HEAD ASSY	1
2	1MQ1211700	SEAT SPRING VALVE	2
3	1MQ1211900	SEAL VALVE STEM	2
4	1MQ1211400	SPRING VALVE OUTER	2
5	1MQ1211300	SPRING VALVE INNER	2
6	1MQ1211600	RETAINER SPRING VALVE	2
7	1MQ1211800	COTTER VALVE	4
8	1MQ1249300	WATER CONNECTION	1
9	1MQ1212100	EXHAUST VALVE	1
10	1MQ1211100	INTAKE VALVE	1
11	9120308025100000	BOLT STUD M8X25	2
12	1MQX1111000	CYLINDER HEAD ASSY	1

**CYLINDER ASSY.**



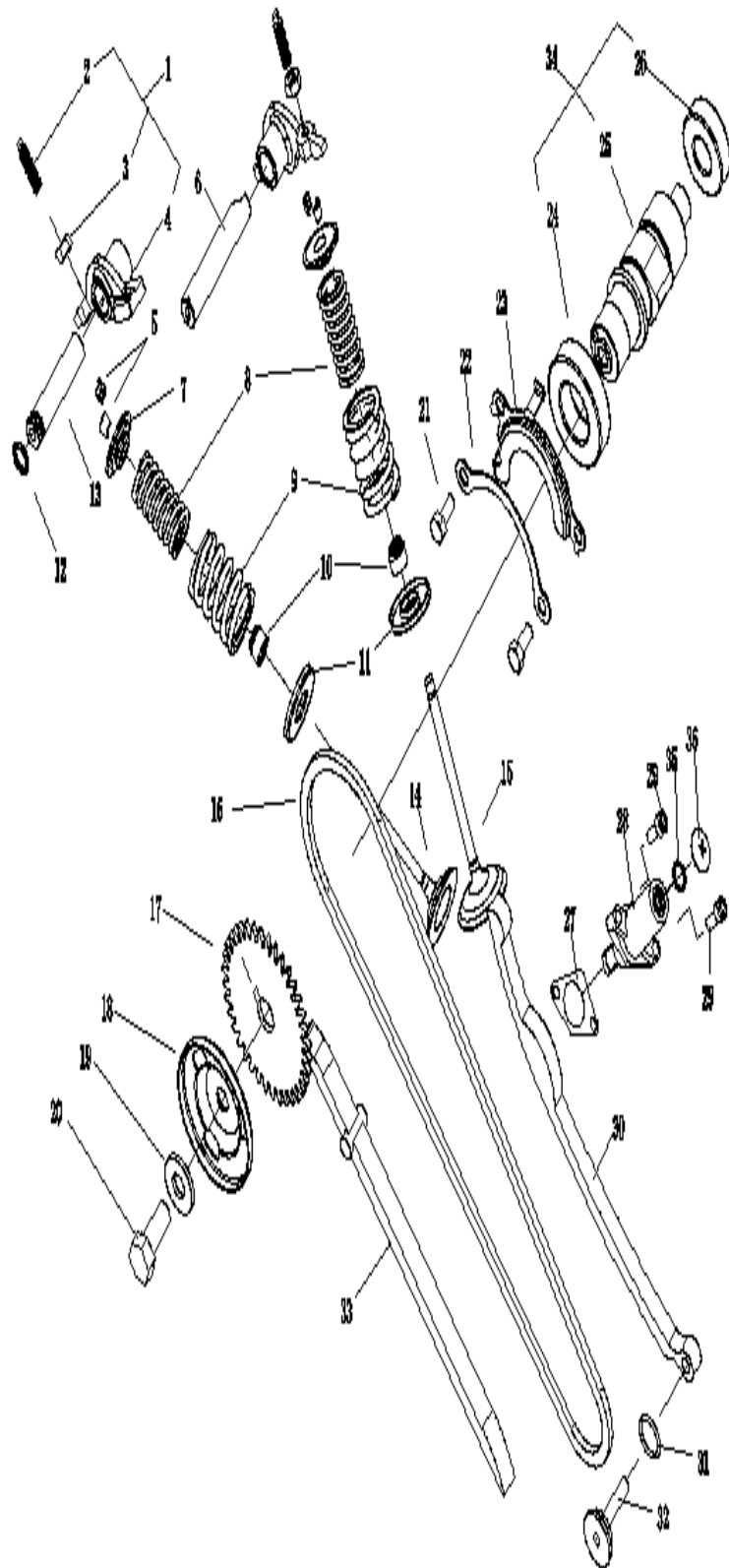
REF. No.	PART No.	PART NAME	Q'TY
1	1MQ1112100	PIN DOWEL 10X14	2
2	1MQ1135100	GASKET CYLINDER	1
3	1MQ1131100	CYLINDER	1
4	1MQ1118100	CYLINDER HEAD GASKET	1

**CRANKSHAFT & PISTON ASSY.**



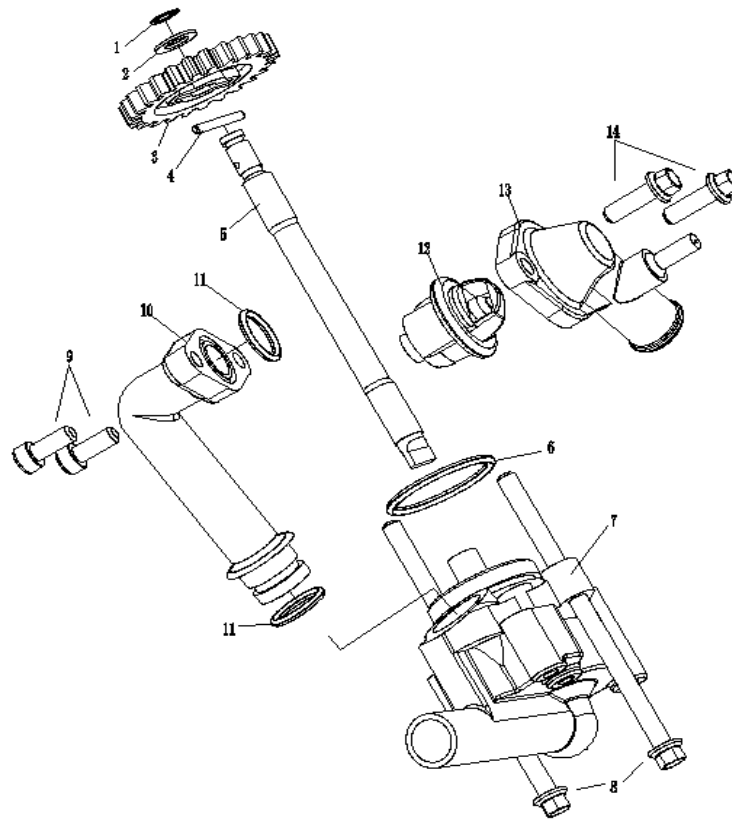
REF. No.	PART No.	PART NAME	Q'TY
1	1MQX1161000	PISTON RING	1
2	1MQ1163100	PISTON	1
3	1MQ1163400	CLIP	2
4	1MQ1163300	PISTON PIN	1
5	1MQX1145000	BALANCE SHAFT	1
6	1MQX1140000	CRANKSHAFT ASSY	1
7	1MQ1146200	WASHER PLATE 16	1
8	1MQ1146100	NUT M16X1	1
9	93306303P5C3	BEARING 6303P5C3	2

### TIMING SYSTEM



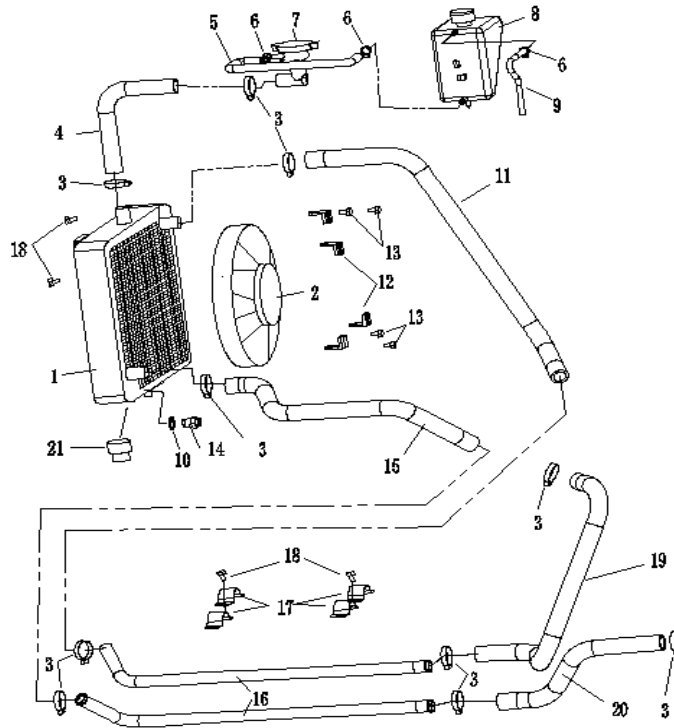
REF. No.	PART No.	PART NAME	Q'TY
1	1MQ1215100	VALVE ROCKER ARM PARTS	2
2	1MQ1215900	ADJUSTING SCREW VALVE	2
3	1MQ1215800	NUT M6X0.75	2
4	1MQ1215200	VALVE ROCKER ARM	2
5	1MQ1211800	COTTER VALVE	4
6	1MQ1215600	INTAKE ROCKER SHAFT	1
7	1MQ1211600	RETAINER SPRING VALVE	2
8	1MQ1211300	SPRING VALVE INNER	2
9	1MQ1211400	SPRING VALVE OUTER	2
10	1MQ1211900	SEAL VALVE STEM	2
11	1MQ1211700	SEAT SPRING VALVE	2
12	1MQ1214800	O-RING 9X2	1
13	1MQ1214600	EXHAUST ROCKER SHAFT	1
14	1MQ1212100	EXHAUST VALVE	1
15	1MQ1211100	INTAKE VALVE	1
16	1MQ1219000	CHAIN	1
17	1MQ1217600	CAM CHAIN SPROCKET	1
18	1MQ1218400	BREATHER PLATE2	1
19	1MQ1218300	WASHER PLATE 10	1
20	9153310025282300	BOLT M10X1.25X25	1
21	9151306012161300	BOLT M6X12	2
22	1MQ1218200	LOCK WASHER	1
23	1MQ1218100	COMPACT PLATE	1
24	93306202ZP5	BEARING 6202Z/P5	1
25	1MQ1217100	CAMSHAFT	1
26	93306005P5	BEARING 6005/P5	1
27	1MQ1221300	GASKET TENSIONER CASE	1
28	1MQ1221000	CAM CHAIN TENSIONER ASSY	1
29	9218460150160000	SOCKET HEAD BOLT M6X15	2
30	1MQ1224100	GUIDE STOPPER2	1
31	1MQ1225200	O-RING 14.5X1.8	1
32	1MQ1225100	CHAIN TENSIONER	1
33	1MQ1223100	GUIDE STOPPER1	1
34	1MQ1217000	CAMSHAFT ASSEMBLY	1
35	1ME1223400	O-RING 10X1.8	1
36	1ME1223300	PLUG	1

**COOLING SYSTEM**



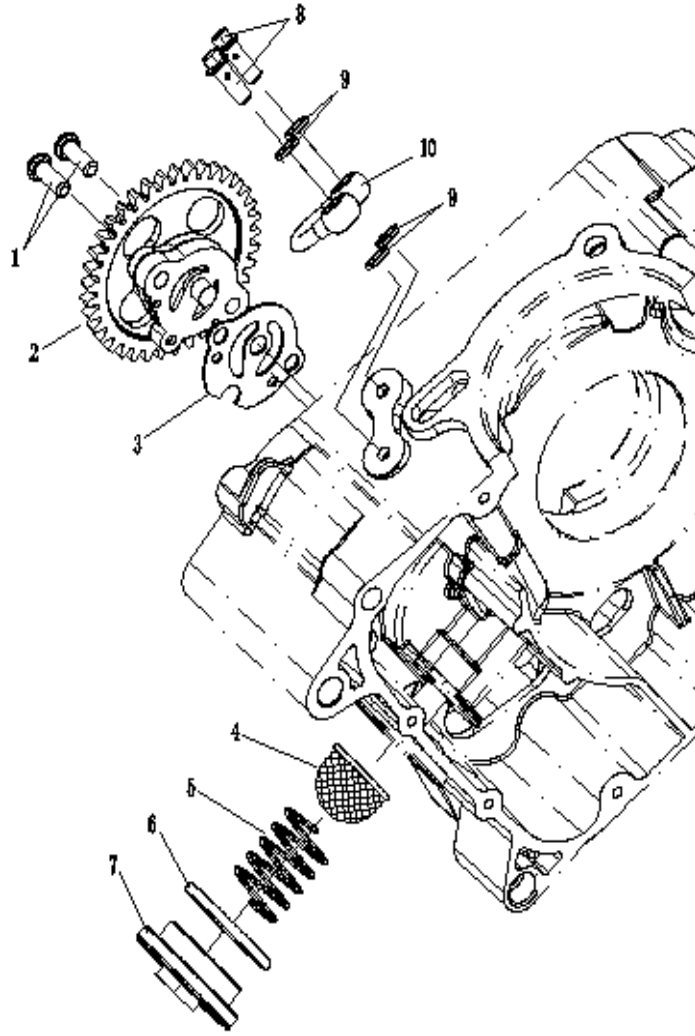
REF. No.	PART No.	PART NAME	Q'TY
1	9431108000000000	CIRCLIP 8	1
2	1MQ1242800	WASHER PLATE 8	1
3	1MQ1245900	IMPELLER SHAFT GEAR	1
4	9522003022000000	DOWEL PIN C3X22	1
5	1MQ1242600	PUMP SHAFT	1
6	9960026335000000	O-RING 33.5X2.65	1
7	1MQ1242000	WATER PUMP ASSY	1
8	9184306100105300	FLANGE BOLT M6X100	2
9	9218460150160000	SOCKET HEAD BOLT M6X15	2
10	1MQ1244600	PUMO JOINT PIPE	1
11	9960025155000000	O-RING 15.5X2.5	2
12	1MQ1246100	THERMOSTAT	1
13	1MQ1246200	THERMOSTAT HOUSING	1
14	9218460200160000	SOCKET HEAD BOLT M6X20	2





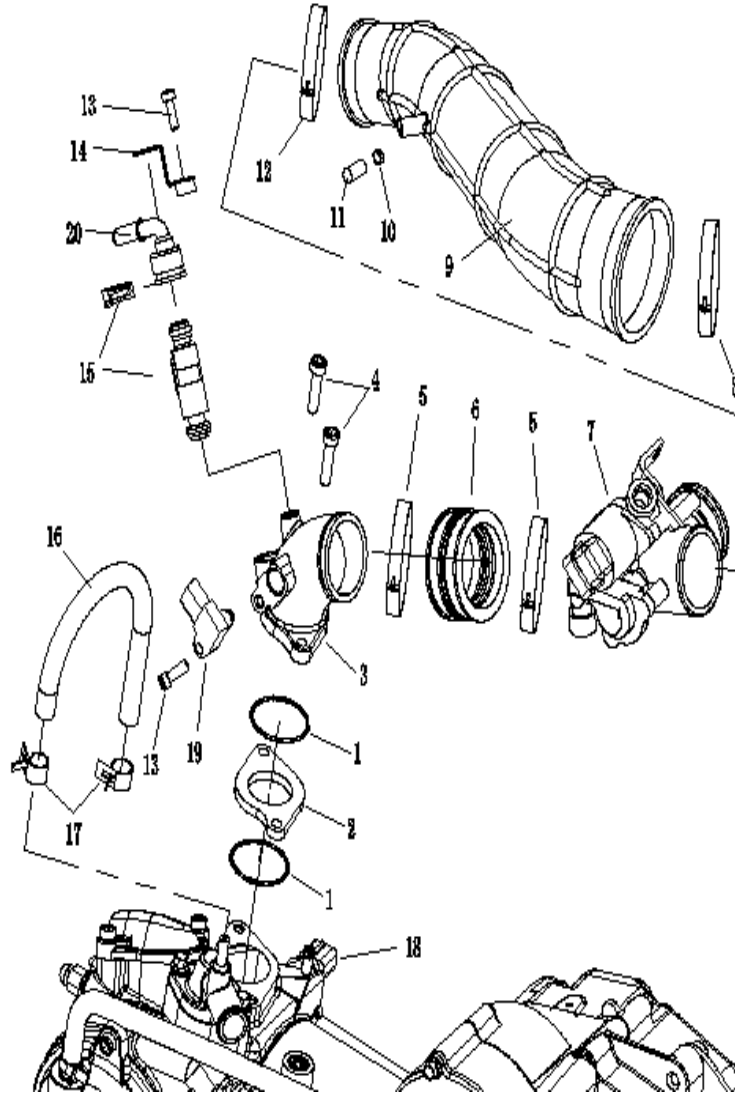
REF. No.	PART No.	PART NAME	Q'TY
1	1MQ1248000	RADIATOR ASSY (THICKER)	1
2	1MQ1248100	BLOWER ASSY	1
3	1MQ1249500	CLAMP 19~29	10
4	1MQ1249800	WATER SUPPLY PIPE	1
5	1MQ1249110	RETURN PIPE	1
6	9673311500005300	CLAMP 11.5	2
7	1MQ1249600	RADIATOR CAP	1
8	1MQ1249000	LEAKING KETTLE	1
9	1MQ1249200	LEAKY PAIE	1
10	1MQ1248700	TEMPERATURE CONTROL SWITCH GASKET	1
11	1MQ1248300	FEED HOSE	1
12	1MQ1249700	FAN FIXING CARD	4
13	9186306016166300	FLANGE BOLT M6X16	4
14	1MQ1248600	THERMOSTAT SWITCH ASSY	1
15	1MQ1248200	RETURN HOSE	1
16	1MQ1247600	CONNECTING PIPE	2
17	2MU5040100	WATER PIPE FIXING CARD	4
18	9186306030166300	FLANGE BOLT M6X30	4
19	1MQ1248500	RETURN HOSE, CYLINDER	1
20	1MQ1248400	FEED HOSE, VALVE	1
21	2MU5040200	WATER TANK RUBBER CUSHION	

**LUBRICATION SYSTEM**



REF. No.	PART No.	PART NAME	Q'TY
1	9214360250005300	SCREW M6X25	2
2	1MQ1331000	OIL PUMP ASSY	1
3	1MQ1331700	GASKET	1
4	1MQ1343600	OIL STRAINER	1
5	1MQ1343700	COMPRESSION SPRING	1
6	1MQ1343300	O-RING 36X3.5	1
7	1MQ1343100	DRAIN PLUG	1
8	1ME1342500	SPECIAL BOLT	2
9	1ME1342600	SEAL RING	4
10	1MQ1343200	JOINT TUBE	1

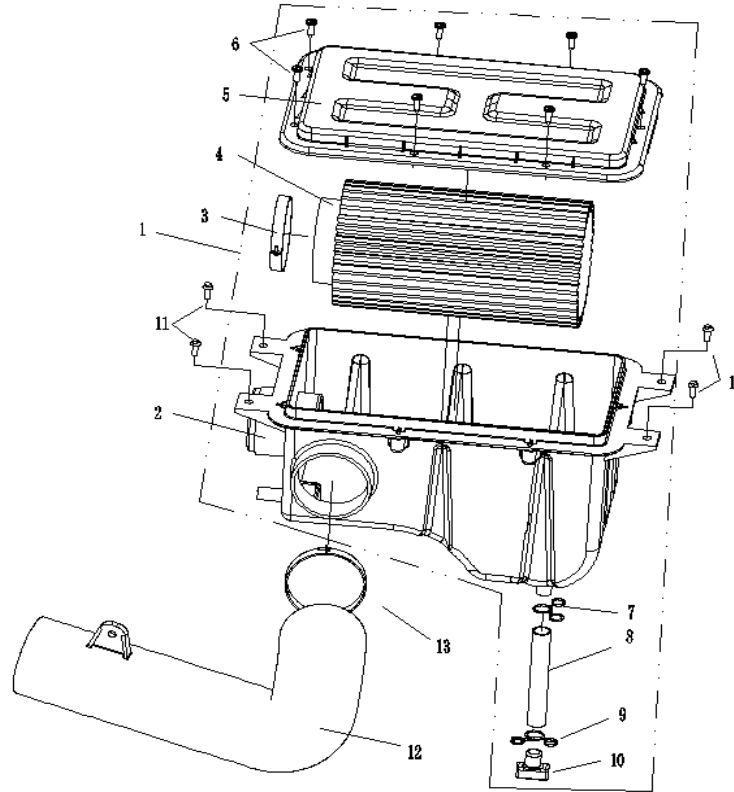
**INTAKE COMP.**



REF. No.	PART No.	PART NAME	Q'TY
1	1MQ1358700	O-RING 35X2	2
2	1MQ1358600	INSULATION PAD	1
3	1MQ1358500	CONNECTING BEND	1
4	9186306025166300	BOLT SOCKET HEAD M6X25	2
5	1MQ1371100	HOSE CLAMP	2
6	1MQ1371000	RUBBER SLEEVE	1
7	1MQ1372000	THROTTLE BODY	1
8	1MQ1373400	HOSE CLAMP	1
9	1MQ1373300	AIR CLEANER OUTLET PIPE	1
10	1MQ1373600	CLIP 7.5mm	1
11	1MQ1373500	OUTLET PIPE PLUG	1
12	1MQ1374100	CLIP 35-51	1
13	9186306016166300	BOLT SOCKET HEAD M6X15	1
14	1MQ1376400	CAPPING PLATE	1
15	1MQ1376200	INJECTOR	1

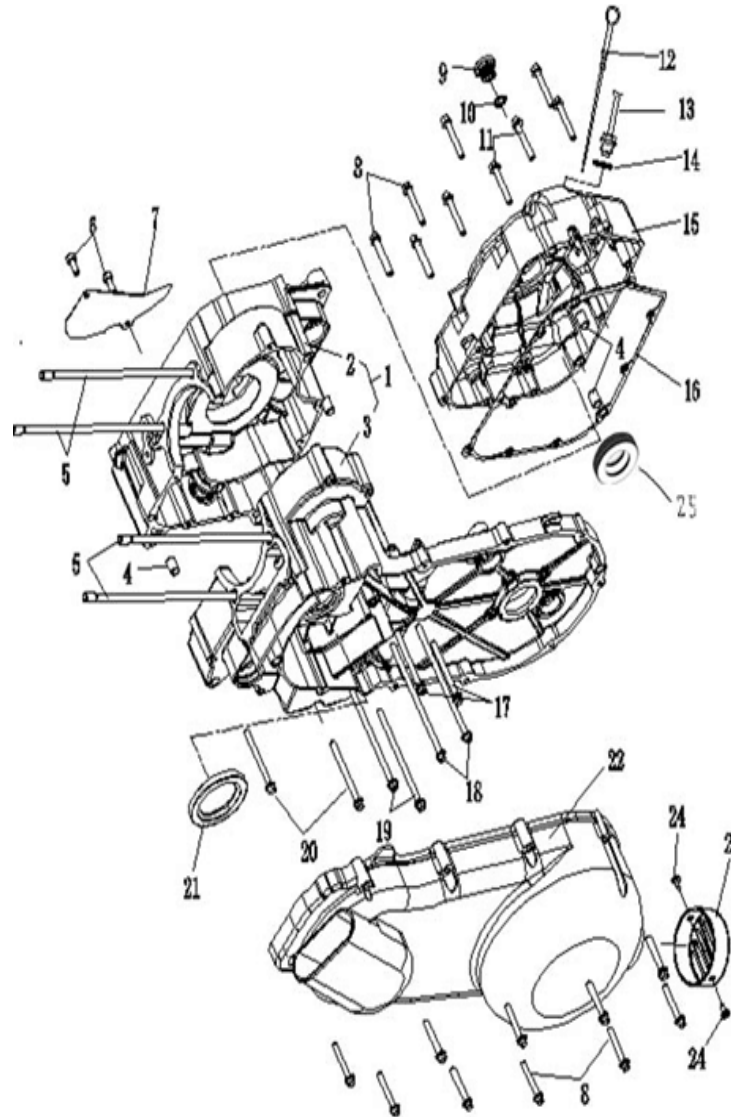
16	1MQ1248800	SMALL CIRCULATING PIPE	1
17	1MQ1248900	CLIP 11mm	2
18	1MQ1117800	COOLANT SENSOR	1
19	1MQ1376100	INTAKE T-P SENSOR	1
20	1MQ1376300	CAP	1

**AIR FILTER SYSTEM**



REF. No.	PART No.	PART NAME	Q'TY
1	1MQ1373000	AIR CLEANER UNIT	1
2	1MQ1374200	AIR CLEANER CASE	1
3	1MQ1373200	AIR CLEANER	1
4	1MQ1373100	AIR CLEANER ELEMENT	1
5	1MQ1374300	COVER AIR CLEANER	1
6	9271348160006300	CROSS RECESSED PAN HEAD TAPPING SCREWS ST4.8X16	7
7	1MQ1373900	CLIP 15mm	1
8	1MQ1373700	OIL CONNECTING HOSE	1
9	1MQ1374000	CLIP 13	1
10	1MQ1373800	OIL CONNECTING HOSE PLUG	1
11	9186306016166300	FLANGE BOLT M6X16	4
12	1MQ1374800	AIR CLEANER INTAKE PIPE	1
13	1MQ1373400	HOSE CLAMP	1

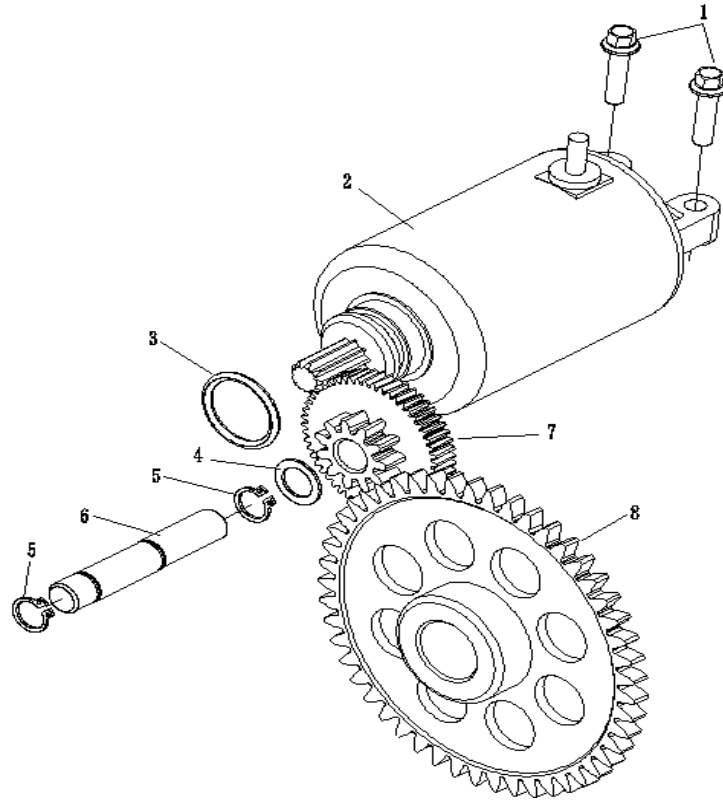
**ENGINE CASE**



REF. No.	PART No.	PART NAME	Q'TY
1	1MQX1511000	CRANKCASE R and L	1
2	1MQ1512000	CRANKCASE RIGHT	1
3	1MQ1511000	CRANKCASE LEFT	1
4	1MQ1112100	DOWEL PIN 10X14	4
5	1MQ1511300	STUD BOLT M8X253.6	4
6	9218460150160000	SOCKET HEAD BOLT M6X15	2
7	1MQ1545700	COVER CRANKCASE RIGHT	1
8	9184306040105300	FLANGE BOLT M6X40	18
9	1MQ1548600	OIL PLUG	1
10	9960026140000000	O-RING 14X2.65	1
11	9184306045105300	FLANGE BOLT M6X45	2
12	1MQ1536701	ENGIE OIL PLUG (L)	1
13	1MQ1536600	OIL GAUGE PIPE	1
14	9960026180000000	O-RING 18X2.65	1

15	1MQ1545000	CAP COVER	1
16	1MQ1545300	RIGHT COVER GASKET	1
17	9184306060105300	FLANGE BOLT M6X60	2
18	9184306110105300	FLANGE BOLT M6X110	2
19	9184306080105300	FLANGE BOLT M6X80	2
20	9184306070105300	FLANGE BOLT M6X70	2
21	1MQ1141500	OIL SEAL 30X45X5	1
22	1MQ1541100	COVER CRANKCASE LEFT	1
23	1MQ1541400	LEFT COVER STRACHEA	1
24	9271342130006300	SELF-DRILLING SCREW ST4.2X13	2
25	1MQ1542500	R-cover oil seal	1

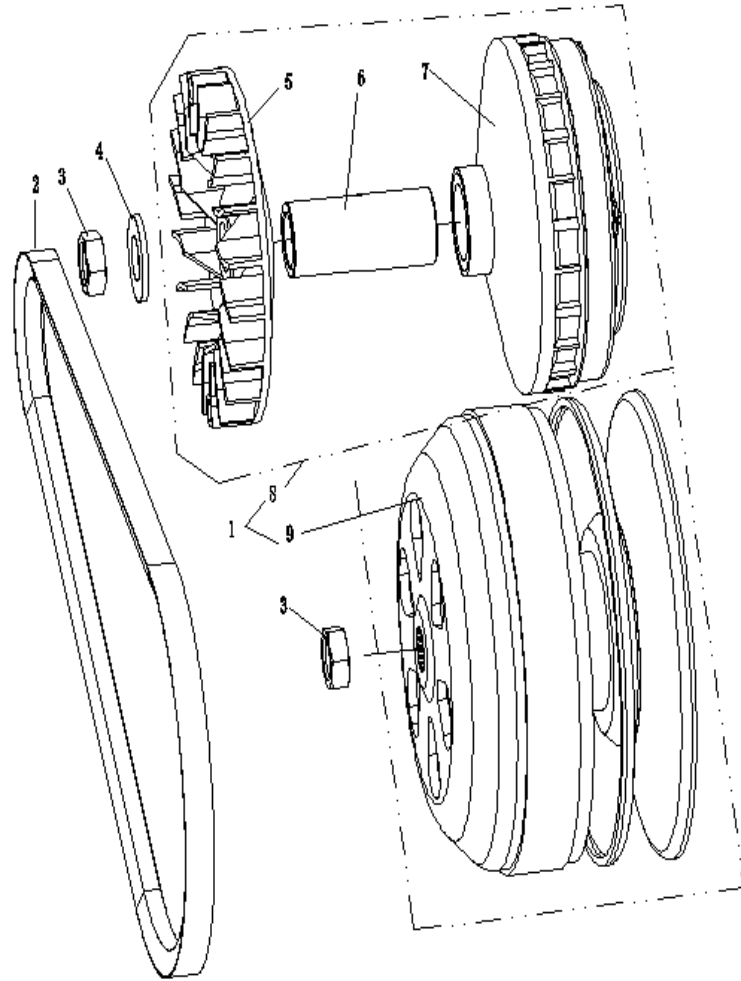
**STARTING MOTOR ASSY.**



REF. No.	PART No.	PART NAME	Q'TY
1	9184306025105300	FLANGE BOLT M6X25	2
2	1MQ8189000	STARTING MOTOR ASSY	1
3	1MQ8184700	O-RING 24.5X3	1
4	1MQ1552200	WASHER 12	1
5	9431112000000000	CIRCLIP 12	2
6	1MQ1552100	INTERMEDIATE SHAFT	1
7	1MQ1551200	DUPLEX GEAR	1
8	1MQ1551700	OUTPUT GEAR UNIT	1

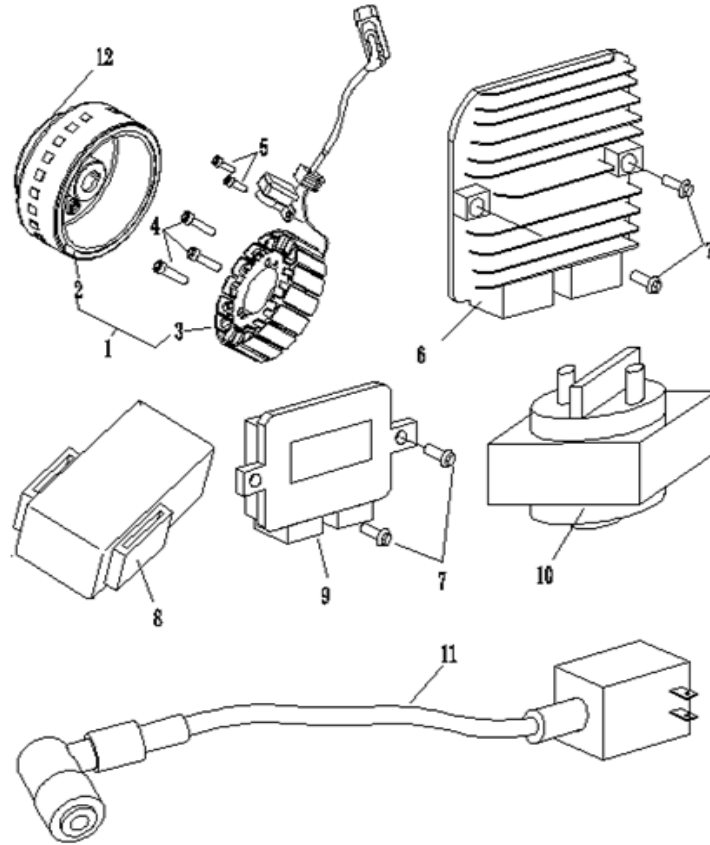


**DRIVING SYSTEM**



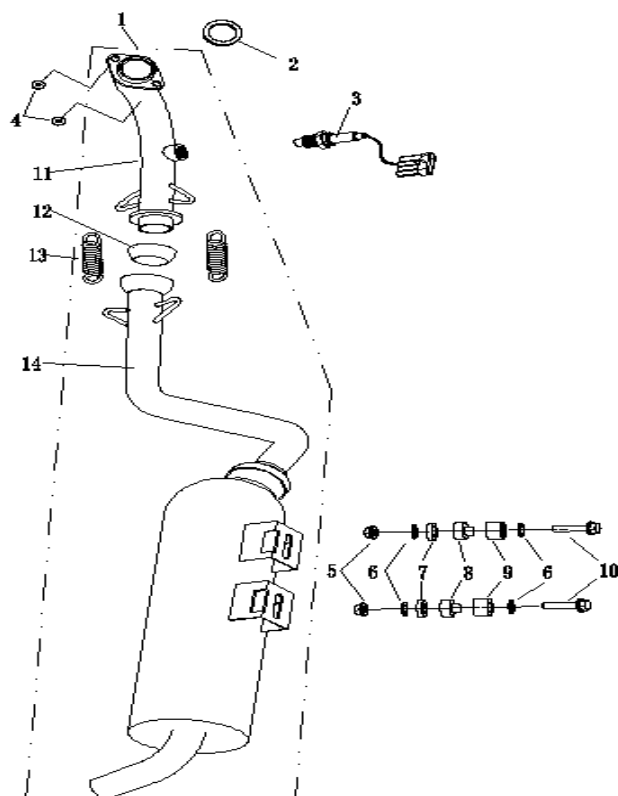
REF. No.	PART No.	PART NAME	Q'TY
1	1MQ1768000	CLUTCH ASSY	1
2	1MQ1764100	V-BELT	1
3	1MQ1761400	NUT M14X1	2
4	1MQ1761300	WASHER PLATE 14	1
5	1MQ1761100	FAN DISC	1
6	1MQ1762600	SLIDING SLEEVE	1
7	1MQ1762000	R-HALF DRIVEN CLUTCH	1
8	1MQ1761000	ACTIVE CLUTCH PARTS	1
9	1MQ1766000	DRIVEN CLUTCH PARTS	1

**STATOR/ELECTRICAL PARTS**



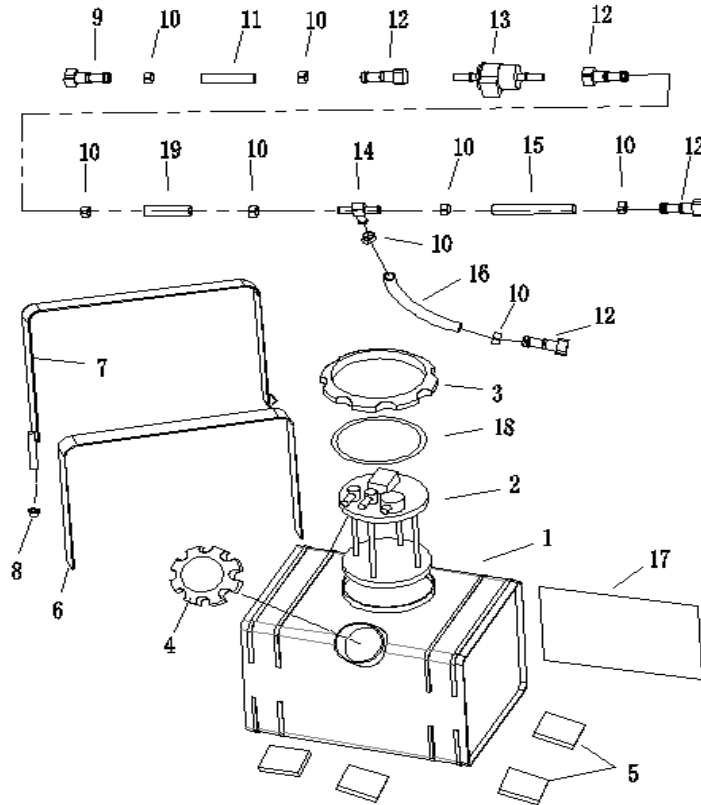
REF. No.	PART No.	PART NAME	Q'TY
1	1MQX8141000	MAGNETOR ASSY	1
2	1MQ8145000	ROTOR ASSY	1
3	1MQ8141000	STATOR ASSY	1
4	9218460300160000	BOLT SOCKET HEAD M6X30	3
5	9218450120160000	BOLT SOCKET HEAD M5X12	2
6	1MQ8147300	PRESSURE REGULATOR	1
7	9186306016166300	FLANGE BOLT M6X16	4
8	1MQ8147100	FOUR PORT RELAY	2
9	1MQ8146000	ELECTRONIC CONTROL UNIT	1
10	1MQ8147200	STARTING RELAY	1
11	1MQX8148100	IGNITION COIL PARTS	1
12	1MQ1559000	STARTING CLUCH PARTS	1

**EXHAUST ASSY.**



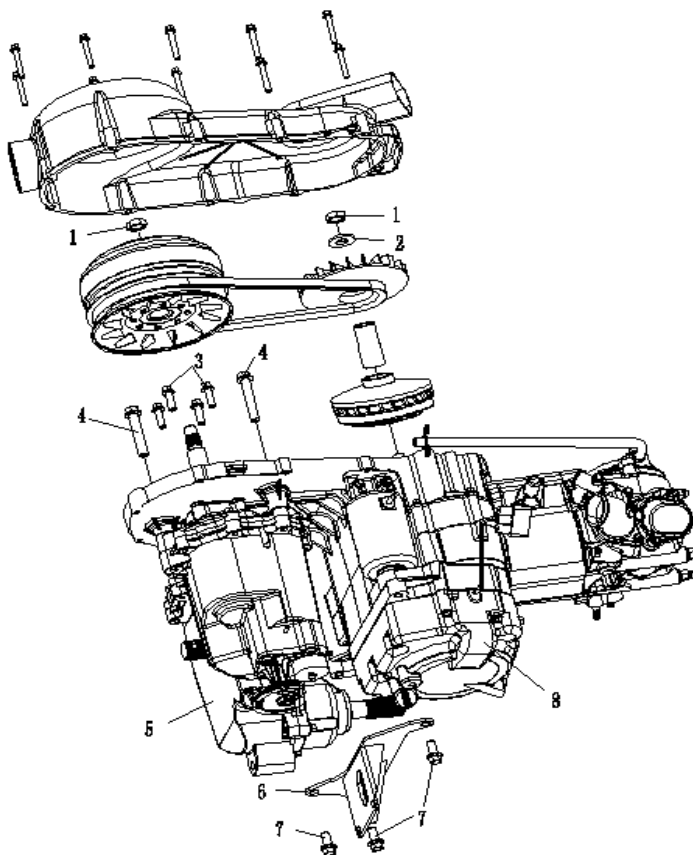
REF. No.	PART No.	PART NAME	Q'TY
1	1MQ1471000	MUFFLER ASSY.	1
2	1MQ1472400	EXHAUST PIPE GASKET	1
3	1MQ1475100	OXYGEN SENSOR	1
4	'9330308013241300	NUT M8	2
5	9330310015261300	NUT M10X1.25	2
6	9402310000031300	GASKET 10	4
7	1MU5020100	SILENCER INSULATION PAD	2
8	1MU5010200	MOUNTING BUFFER RUBBER B	2
9	1MU5010100	MOUNTING BUFFER RUBBER A	2
10	9186310060281300	FLANGE BOLT M10X1.25X60	2
11	1MQ1472300	EXHAUST PIPE	1
12	1MQ1472200	BALL TYPE GASKET	1
13	1MQ1472100	MUFFLER SPRING	2
14	1MQ1471100	MUFFLER	1

**FUEL SYSTEM**



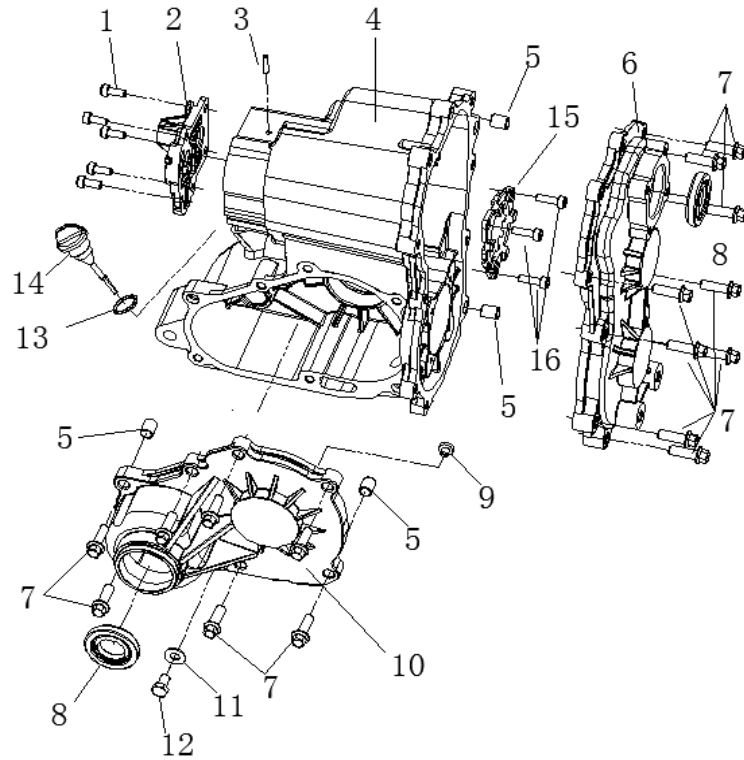
REF. No.	PART No.	PART NAME	Q'TY
1	1MQ1394000	FUEL TANK	1
2	1MQ1391000	GASOLINE PUMP	1
3	1MQ1391400	OIL PUMP COVER	1
4	1ME2413000	FUEL TANK CAP	1
5	1MU6180100	SHOCK PAD	1
6	1ME2411600	LINING BELT	2
7	1ME2411500	MOUNTING BELT	2
8	9330308013241300	NUT M8	2
9	1MQ1391100	QUICKFIT 9.49	1
10	1MQ1393100	HOSE CLAMP 15.3	8
11	1MQ1392100	OUTLET PIPE	1
12	1MQ1391200	QUICKFIT 7.89	4
13	1MQ1392000	FUEL FILTER	1
14	1MQ1391300	TEE COUPLING	1
15	1MQ1392400	INLET PIPE	1
16	1MQ1392200	RETURN LINE	1
17	1MU6180300	INSULATED STICKER	1
18	1ME2413100	OIL PUMP SEAL RING	1
19	1MQ1392300	OIL FILTER CONNECTING PIPE	1

**GEARBOX CONNECTION**



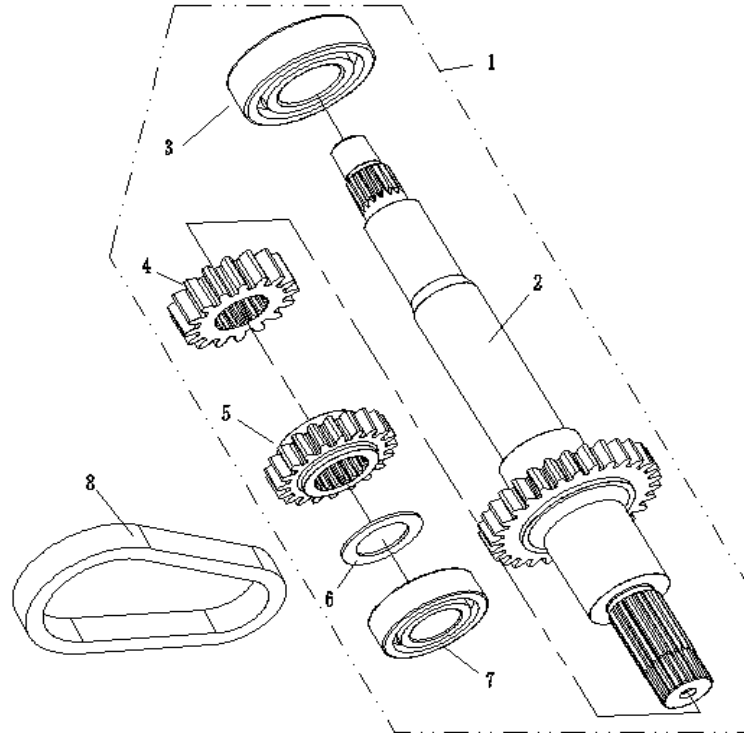
REF.No.	PART No.	PART NAME	Q'TY
1	1MQ1761400	NUT M14X1	2
2	1MQ1761300	WASHER PLATE 14	1
3	9184308025362300	FLANGE BOLT M8X25	4
4	9153310060285300	FLANGE BOLT M10X1.25X60	2
5	1MQ2350000	TRANSMISSION ASSEMBLY	1
6	1MQ2355300	CONNECTING PLATE	1
7	9153310020285300	FLANGE BOLT M10X1.25X20	3
8	1MQ1000000	ENGINE ASSEMBLY	1

**TRANSMISSION COMP.**



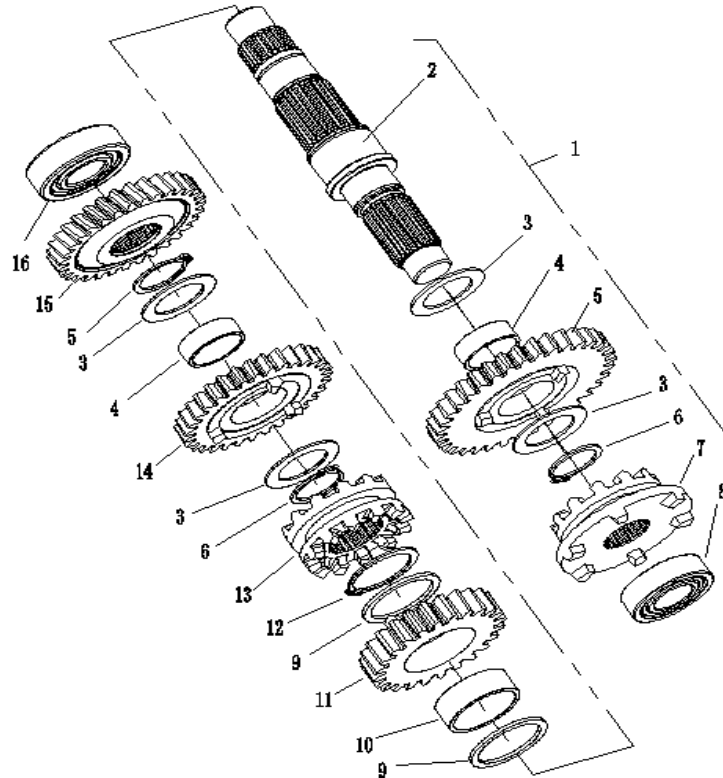
REF. No.	PART No.	PART NAME	Q'TY
1	9218460150160000	BOLT SOCKET HEAD M6X15	5
2	1MQ2355400	SHIFT SMALL CAP	1
3	1MQ2355600	VENTILATION MOUTH LINER	1
4	1MQ2355100	GEARBOX CASE	1
5	1ME2355300	DOWEL 11X9	4
6	1MQ2355200	GEARBOX LEFT COVER	1
7	9184308028362300	BOLT M8X28	16
8	1ME2354600	OIL SEAL 25X47X8	3
9	1MQ2355900	SPACER PIN	1
10	1MQ2355500	GEARBOX FRONT COVER	1
11	1MQ2359300	OIL DRAIN SPACER 8.2X16X2	1
12	9184308016362300	BOLT M8X12	1
13	1ME1535400	O-RING 18X2.65	1
14	1ME2355530	OIL PLUG	1
15	1MQ2354400	PARKING GEAR HOLDER	1
16	921846015003000	GB/T70.1 SCREW M6X15	3

**DRIVE SHAFT COMP.**



REF. No.	PART No.	PART NAME	Q'TY
1	1MQ2352000	SPINDLE ASSY.	1
2	1MQ2352100	SPINDLE	1
3	93306205P6	BEARING 6205	1
4	1MQ2352700	DRIVE SPROCKET	1
5	1MQ2352500	LOW SPEED DRIVE GEAR 16T	1
6	1MQ2352810	GASKET 21X30X2	1
7	93306004P6	BEARING 6004	1
8	1MQ2352600	TOOTHED CHAIN	1

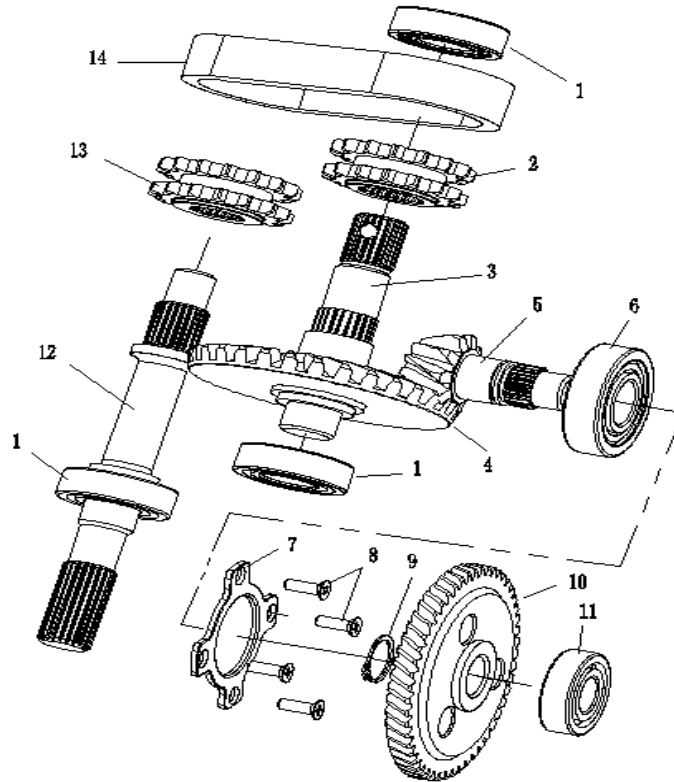
**SHAFT COMP.**



REF. No.	PART No.	PART NAME	Q'TY
1	1MQ2353000	COUNTERSHAFT ASSY.	1
2	1MQ2353100	COUNTERSHAFT	1
3	1MQ2353400	GASKET25X38X1.2	4
4	9971025291000000	NEEDLE BEARING 25X29X10	2
5	1MQ2354500	LOW SPEED DRIVEN GEAR 35T	1
6	9431211000001100	SHAFT RING 25	3
7	1MQ2354800	LOW SPEED PARKING SHIFT DISC	1
8	93306004P6	BEARING 6004	1
9	1MQ2353700	GASKET32X39.5X1.8	2
10	9971032371300000	NEEDLE BEARING 32X37X13	1
11	1MQ2354700	DRIVEN SPROCKET	1
12	9431232000001100	SHAFT RING 32	1
13	1MQ2354900	REVERSE GEAR SHIFT DISC	1
14	1MQ2354300	HIGH SPEED DRIVEN GEAR 31T	1
15	1MQ2353200	TRANSITION GEAR I	1
16	93306204P6	BEARING 6204	1

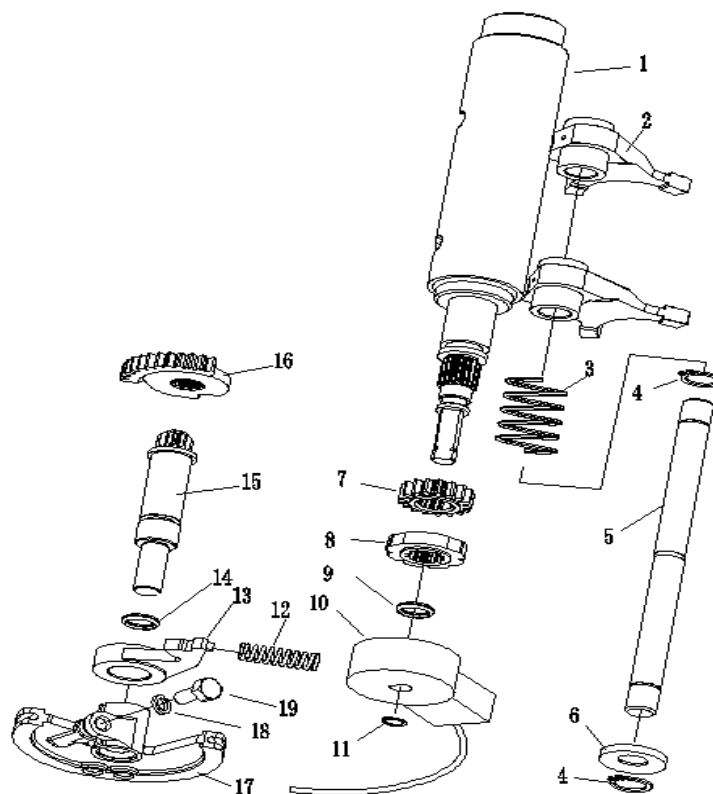


**OUTPUT SHAFT COMP.**



REF. No.	PART No.	PART NAME	Q'TY
1	93306205P6	BEARING 6205	3
2	1MQ2356700	ACTIVE DOUBLE ROW SPROCKET	1
3	1MQ2356500	REAR OUTPUT SHAFT	1
4	1MQ2356600	BIG BEVEL GEAR	1
5	1MQ2356100	SMALL BEVEL GEAR	1
6	93306305P6	BEARING 6305	1
7	1MQ2356200	COVER BEARING PLATE	1
8	9254206012161100	COUNTERSUNK HEAD SCREW M6X12	4
9	9431225000001100	SHAFT RING 25X2	1
10	1MQ2356300	TRANSITION GEAR II	1
11	93306204P6	BEARING 6204	1
12	1MQ2357100	FRONT OUTPUT SHAFT	1
13	1MQ2357200	DRIVEN DOUBLE ROW SPROCKET	1
14	1MQ2356800	DOUBLE ROW CHAIN	1
15	1MQ2356000	OUTPUT SHAFT ASSY.	1

**SHIFTING COMP.**



REF. No.	PART No.	PART NAME	Q'TY
1	1MQ2358100	SHIFT DRUM	1
2	1MQ2358800	FORK	2
3	1MQ2359200	LOW SEEP SHIFT FORK SPRING	1
4	9431112000000000	SHAFT RING 12	2
5	1MQ2358900	SHIFTING FORK SHAFT	1
6	1MQ2359400	SHIFT SPRING COVER	1
7	1MQ2358300	SHIFT DRIVEN GEAR	1
8	1MQ2358400	SHIFT CAM	1
9	1MQ1214800	O-RING 9X1.8	1
10	2MU8062000	FILE DISPLAY	1
11	9431232000001100	SHAFT RING 9	1
12	1MQ2358700	SHIFT LIMIT SPRING	1
13	1MQ2358500	SHIFT STOP SWING LEVER	1
14	1MQ2358000	O-RING 13X1.8	1
15	1MQ2358600	SHIFT SHAFT	1
16	1MQ2358200	SHIFT GEAR	1
17	1ME2359600	SHIFT CABLE TRAY	1
18	9403306000002300	ELASTIC WASHER	1
19	915130601562300	BOLT M6X15	1