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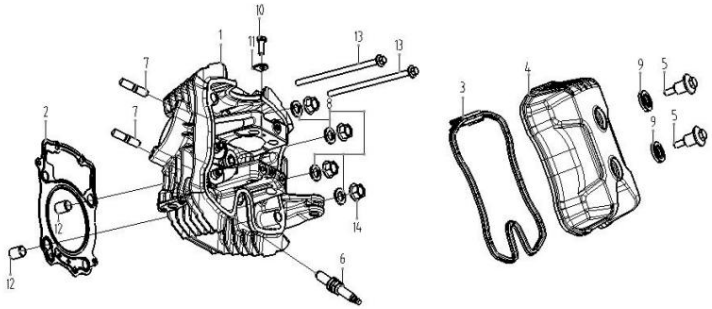
E-1 Cylinder head parts



Serial number S/N	Parts code Part No.	Parts Name Description		state Condition	quantity Quantity
1	120080991-0005 Cylinder head		HEAD COMP.,CYLINDER		
2	120150272-0001 Cylinder head gasket		CYLINDER HEAD GASKET		
3	120250081-0001 Cylinder head cover gasket		COVER COMP.,CYLINDER HEAD		
4	120230226-0003 Cylinder head cover		CYLINDER HEAD COVER GASKET		
5	120440012-0001 Cylinder head cover bolt		BOLT,CYLINDER HEAD COVER	M6×14.5;	
6	270960066-0001 Spark plug		PLUG,SPARK	LMAR8J-9E	
7	380180155-0001 Stud bolt		DOUBLE HEAD BOLT	Screw-in end 15_M8_total length 43, exposed end length 28	
8	380450459-0001 Flat washer		WASHER,PLAIN	Inner diameter 10_Outer diameter 20_Thickness 2	
9	380650309-0001 Oil seal		OIL SEAL	d=12_D=22_b=4.8	
10	380140002-0006 Hexagon head bolt		HEAXAGON HEAD BOLT	M6_L=16;	
11	191380005-0001 Spindle bearing baffle		SPINDLE BEARING BAFFLE		
12	380600032-0001 Positioning pin		PIN DOWEL	d=12_L=16	
13	380140321-0002 Hexagonal flange bolt		BOLT,HEXAGON FLANGE	M6_L=120;	
14	380370112-0001 Hexagonal flange nut		HEXAGON HEAD FLANGE NUT	M10×1.25;	
			FULL GASKET KIT YB250	X 2	

E-2 Cylinder Block Parts

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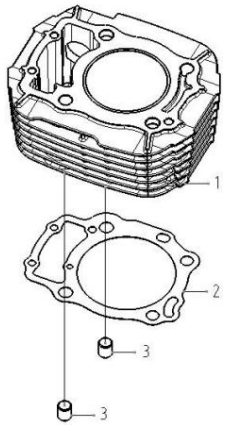
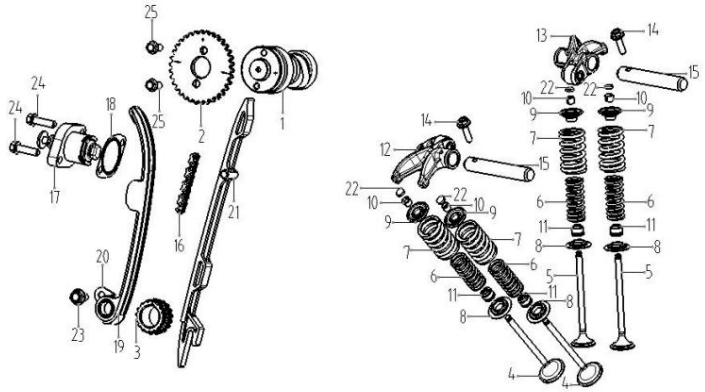


Serial number S/N	Parts code Part No.	Parts Name Description		state Condition	quantity Quantity
1	12002040-0005 Cylinder block		CYLINDER BLOCK		
2	120050123-0001 Cylinder block gasket		GASKET CYLINDER BLOCK		
3	380600032-0001 Positioning pin		PIN DOWEL	d=12_L=16;	

E-3 Valve Train



Serial number S/N	Parts code Part No.	Parts Name Description		state Condition	quantity Quantity
1	140020233-0001 Camshaft assembly		CAMSHAFT ASSY		
2	140580071-0001 Timing driven wheel		SPROCKET,CAM CHAIN		
3	130230081-0001 Timing drive wheel		SPROCKET,CAM CHAIN		

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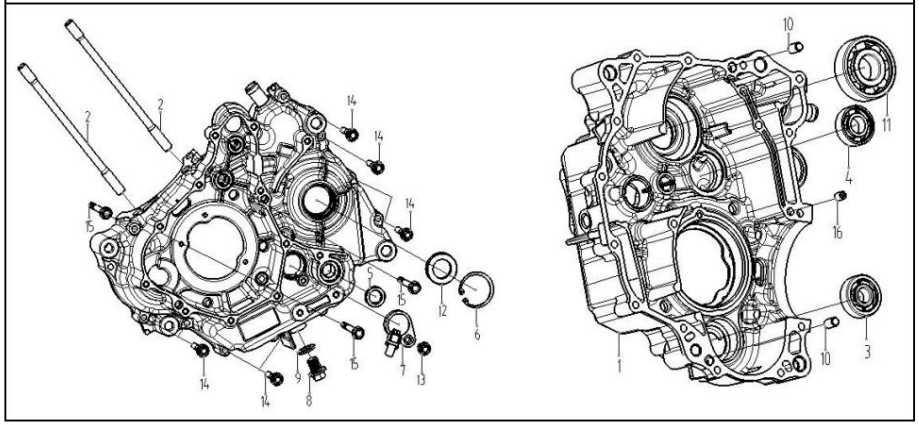
4	140300129-0001 Intake valve		VALVE,INTAKE		
5	140310129-0001 Exhaust valve		VALVE,EXHAUST		
6	140340055-0001 Valve inner spring		VALVE SPRING		
7	140350046-0001 Valve outer spring		SPRING,VALVE INTER		
8	140380063-0001 Valve spring seat		RETAINER,VALVE SPRING	Valve spring lower seat	
9	140380064-0001 Valve spring seat		RETAINER,VALVE SPRING	Valve spring upper seat;	
10	140390041-0001 Valve lock clip		Lock,Valve spring retainer		
11	140400002-0001 Oil shield		SEAL,VALVE STEM		
12	140450104-0001 Valve rocker arm assembly		VALVE ROCKER ARM COMBINATION		
13	140450105-0001 Valve rocker arm assembly		VALVE ROCKER ARM COMBINATION		
14	380140776-0001 Hexagonal flange bolt		BOLT,HEXAGON FLANGE	M5_L=18;	
15	140510078-0001 Valve rocker arm shaft		VALVE ROCKER SHAFT		
16	140610051-0001 Timing chain		CHAIN	102_Tooth chain_3×4.7 pieces;	
17	140750041-0003 Tensioner assembly		TENSIONER ASSY.CAM CHAIN		
18	140830031-0001 Tensioner seal		GASKET,TENSIONER CASE		
19	140910025-0001 Chain tensioner		DAMPER,CHAIN 2		
20	141190001-0001 Adjustment plate pressure plate		ADJUSTING PLATE		
21	141000051-0001 Chain guide plate		DAMPER,CHAIN 1		
22	141310006-0001 Valve adjustment gasket		PAD,ADJUSTING		
23	380140209-0001 Hexagonal head flange bolt		BOLT,HEXAGON FLANGE	M6_L=14	
24	380140021-0006 Hexagonal Flange Bolt		BOLT,HEXAGON FLANGE	M6_L=22	
25	140590011-0001 Timing bolt		TIMING BOLT	M6×13.5	

E-4 Left crankcase components



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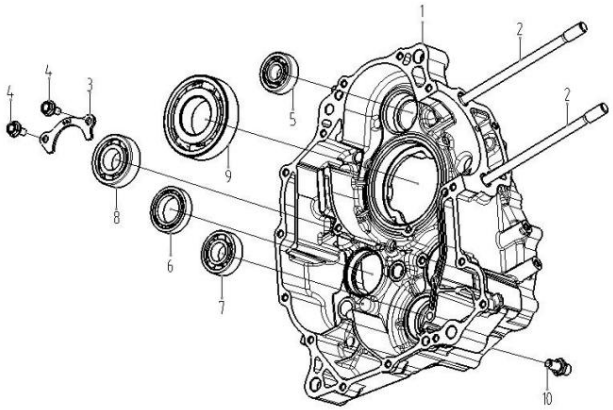
Serial number S/N	Parts code Part No.	Parts Name Description		state Condition	quantity Quantity
1	110030608-0002 Left crankcase		LEFT CRANKCASE BODY		
2	110240085-0001 Stud bolt A		DOUBLE HEAD BOLT	M10×182.5_rod diameter 8	
3	380630687-0001 Bearing		BEARING	13×37×12	
4	380630573-0001 Bearing		BEARING	TM6202-RS	
5	380650185-0001 Oil seal		OIL SEAL	d=14_D=22_b=5;	
6	380550186-0001 Circlip		CIRCLIP	d=36_S=1.5	
7	270650112-0001 Gear display switch parts		DISPLAY SWITCH	International six-speed single ear;	
8	110260003-0006 Sealing bolt		SEALING BOLT	M12×1.5;	
9	380450018-0003 Flat washer		FLAT WASHER	Inner diameter 12, outer diameter 20, thickness 2;	
10	380600002-0001 Locating pin		PIN DOWEL	d=8_L=14;	
11	380630621-0001 Bearing		BEARING	63/22	
12	380650177-0001 Oil seal		OIL SEAL	d=22_D=34_b=7;	
13	380140023-0002 Hexagonal flange bolt		HEXAGON FLANGE BOLT	M6_L=18	
14	380140019-0006 Hexagonal Flange Bolt		HEXAGON FLANGE BOLT	M6_L=40	
15	380140057-0005 Hexagon head flange bolt		HEXAGON FLANGE BOLT	M6_L=65	
16	381000454-0001 Plug		PLUG		

E-5 Right crankcase parts



Serial number S/N	Parts code Part No.	Parts Name Description		state Condition	quantity Quantity
1	110080433-0002 Right crankcase		RIGHT CRANKCASE BODY		
2	110240085-0001 Stud bolt A		DOUBLE HEAD BOLT	M10×182.5_rod diameter 8	

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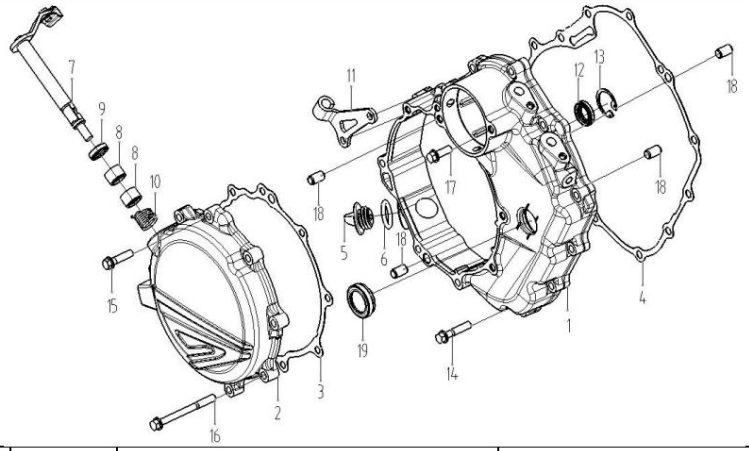
3	191380018-0001 Spindle bearing baffle		SPINDLE BEARING BAFFLE		
4	380140209-0001 Hexagonal head flange bolt		HEXAGON FLANGE BOLT	M6_L=14;	
5	380630687-0001 Bearing		BEARING	13×37×12	
6	380630262-0001 Bearing		BEARING	61905;	
7	380630066-0001 Bearing		BEARING	6203-RS;	
8	380630005-0001 Bearing		BEARING	6204;	
9	380630686-0001 Bearing		BEARING	35×76×18	
10	192310007-0001 Shift arm positioning bolt		SHIFT ARM LOCATING BOLT	M8_L=15;	

E-6 Right crankcase cover parts



Serial number S/N	Parts code Part No.	Parts Name Description	state Condition	quantity Quantity
1	110600959-0004 Right crankcase cover	RIGHT CRANKCASE COVER		
2	111020009-0003 Clutch operating cover	CLUTCH CONTROL COVER		
3	111030005-0001 Clutch operating cover gasket	CLUTCH CONTROL COVER GASKET		
4	110620090-0001 Right crankcase cover gasket	RIGHT CRANKCASE COVER GASKET		
5	110700008-0002 Oil dipstick	OIL DIPSTICK	Oil plug_M20×9.5;	
6	380840006-0001 Seal	SEAL RING	Oil dipstick seal_D=18_d=3-3.5;	
7	190810110-0002 Clutch lever assembly	CLUTCH LEVER COMBINATION		
8	380630045-0001 Bearing	BEARING	HK121610;	
9	380650098-0001 Oil seal	OIL SEAL	d=12_D=18_b=5;	
10	381160292-0001 Torsion spring	TORSION SPRING		
11	191230063-0002 Clutch tie rod positioning plate	CLUTCH LACING PLATE		
12	380650185-0001 Oil seal	OIL SEAL	d=14_D=22_b=5;	

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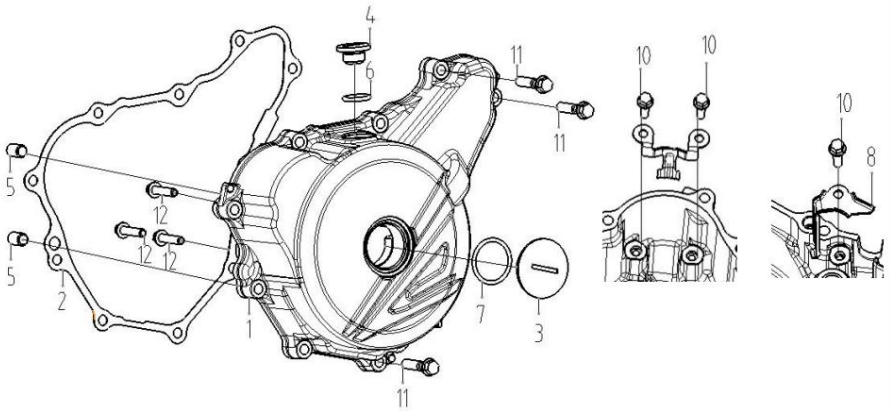
13	380550090-0001 Circlip		ELASTIC RING	d=24_S=1.25;	
14	380140143-0002 Hexagonal flange bolt		HEXAGON FLANGE BOLT	M6_L=30;	
15	380140016-0005 Hexagon head flange bolt		HEXAGON FLANGE BOLT	M6_L=25;	
16	380140057-0005 Hexagon head flange bolt		HEXAGON FLANGE BOLT	M6_L=65;	
17	380140023-0002 Hexagonal flange bolt		HEXAGON FLANGE BOLT	M6_L=18;	
18	380600002-0001 Locating pin		PIN DOWEL	d=8_L=14	
19	110630008-0001 Oil observation window		SIGHT GLASS,OIL	ý22×ý30×8×12.2	

E-7 Left crankcase cover



Serial number S/N	Parts code Part No.	Parts Name Description		state Condition	quantity Quantity
1	110400444-0003 Left front cover		LEFT FRONT COVER		
2	110420051-0001 Left front cover gasket		LEFT FRONT COVER GASKET		
3	110430001-0005 Left decorative cover		LEFT TRIM COVER		
4	110440001-0004 Viewing hole cover		OPTIC FORAMEN COVER		
5	380600002-0001 Locating pin		PIN DOWEL	d=8_L=14	
6	380840026-0001 Sealing ring		SEAL RING	D=13.8_d=2.5	
7	380840005-0001 Seal		SEAL RING	D=31.7_d=2.4	
8	190470154-0001 Pressure plate		PRESS PLATE		
~~9~~	~~190470123-0001 Pressure plate~~	——	~~PRESS PLATE~~		
10	380140047-0004 Hexagonal head flange bolt		HEXAGON FLANGE BOLT	M5_L=16	
11	380140143-0002 Hexagonal head flange bolt		HEXAGON FLANGE BOLT	M6_L=30	
12	380140046-0004 Hexagonal flange bolt		HEXAGON FLANGE BOLT	M5_L=25	

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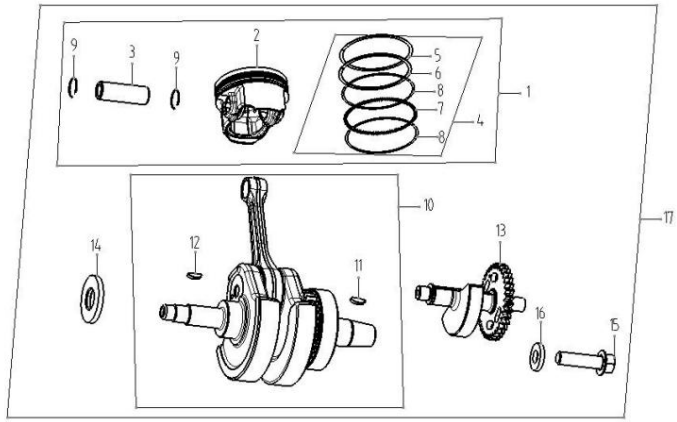
E-8 Crank connecting rod assembly



Serial number S/N	Parts code Part No.	Parts Name Description		state Condition	quantity Quantity
1	130020108 Piston parts		PISTION COMPONENTS		
2	130030339-0001 Piston		PISTION		
3	130060100-0001 Piston pin		PISTION PIN		
4	130070298-0001 Piston ring assembly		PISTION RING ASSEMBLY		
5	130080170-0001 One Ring		ONE LINK		
6	130090171-0001 Second Ring		SECOND RING		
7	130120127-0001 Bushing ring		LINING RING		
8	130130132-0001 Scraper ring		SCRAPER RING		
9	380560134-0001 Wire retaining ring		STEEL WIRE RETAINING RING		
10	130040322-0001 crank connecting rod parts		CRANK AND CONNECTIONING ROD COMPONENTS		
11	380620001-0001 Key		KEY	d=25_L=14_B=4_h=4.5	
12	380620002-0001 Key		KEY	d=25_L=14_B=4_h=4	
13	130430048-0001Balance shaft parts		BALANCE SHAFT COMPONENTS		
14	380451312-0001 Flat washer		FLAT WASHER	Inner diameter 19.5_Outer diameter 45_Thickness 5	
15	380340777-0001 Hexagon head flange bolt		HEXAGON FLANGE BOLT	M12×1.25_L=45	
16	380451313-0001 Flat washer		FLAT WASHER	Inner diameter 12_Outer diameter 26_Thickness 4.2	
17	130010281	Crank connecting rod assembly	CONNECTIONING ROD AS CRANKSHAFT		

E-9 Transmission Mechanism

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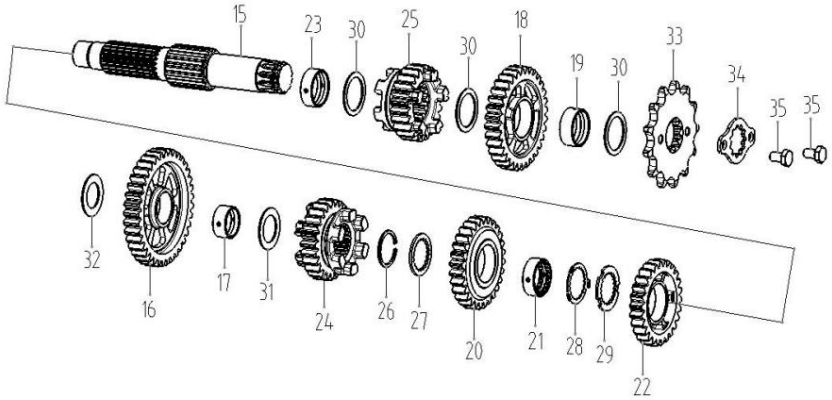

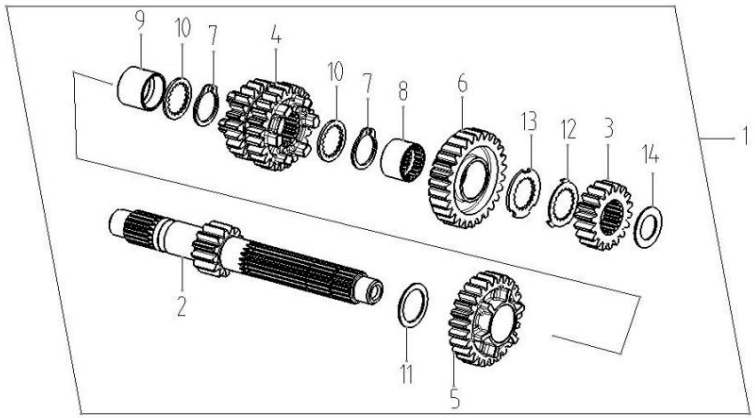

Serial number S/N	Parts code Part No.	Parts Name Description		state Condition	quantity Quantity
1	191250232-0001 Spindle	parts	SPINDLE COMPONENTS		
2	191260122-0001 Spindle		Axle,Main		
3	191280064-0001 Spindle	second gear	GEAR,2TH PINION		
4	191290064-0001 Spindle	third gear	GEAR,3TH PINION		
5	191330047-0001 Main shaft	fifth gear	GEAR,5TH PINION		
6	191340013-0001 Main shaft	sixth gear	GEAR,6TH PINION		
7	380550243-0001 Circlip		CIRCLIP	d=19_S=1.2	
8	380823951-0001 Bushing		COLLAR	Main shaft sixth gear sleeve	

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9	380823952-0001 Bushing		COLLAR	Main shaft fifth gear sleeve	
10	380500079-0001 Spline washer		WASHER		
11	380540007-0001 Shoulder retaining ring		SHOULDER RETAINING RING		
12	380470147-0001 Flanged washer		FLANGING WASHER		
13	380500080-0001 Spline washer		WASHER		
14	380540197-0001 Shoulder retaining ring		SHOULDER RETAINING RING		
15	191400184-0001 Countershaft		COUNTERSHAFT		
16	191420072-0001 Countershaft	1st gear	GEARy1ND WHEEL		
17	380823953-0001 Bushing		COLLAR	Countershaft first gear gear sleeve	
18	191440067-0001 Countershaft	second gear	GEARy2ND WHEEL		
19	380823954-0001 Bushing		COLLAR	Countershaft second gear sleeve	
20	191460071-0001 Countershaft	third gear	GEARy3ND WHEEL		
21	380823955-0001 Bushing		COLLAR	Countershaft third gear sleeve	
22	191480066-0001 Countershaft	4th gear	GEARy4ND WHEEL		
23	380823956-0001 Bushing		COLLAR	Countershaft fourth gear sleeve	
24	191500048-0001 Countershaft	fifth gear	GEARy5ND WHEEL		
25	191520013-0001 Countershaft	Sixth Gear	GEARy6ND WHEEL		
26	380550244-0001 Circlip		CIRCLIP	d=21_S=1.2	
27	380500081-0001 Spline washer		WASHER		
28	380470148-0001 Flanged washer		FLANGING WASHER		
29	380500082-0001 Spline washer		WASHER		
30	380540201-0001 Shoulder retaining ring		SHOULDER RETAINING RING	Shaft diameter 22_Outer diameter 29_Thickness 1	
31	380540202-0001 Shoulder retaining ring		SHOULDER RETAINING RING	Shaft diameter 18_Outer diameter 28_Thickness 1	
32	380540200-0001 Shoulder retaining ring		SHOULDER RETAINING RING	Shaft diameter 17_Outer diameter 28_Thickness 1	
33	191600098-0001 Countershaft	driving sprocket	DRIVING SPROCKET OF COUNTERSHAFT	520-13 teeth_spline groove thickness 5mm;	
34	191610014-0001 Countershaft	driving sprocket fixing plate	FIXING PLATE FOR DRIVING SPROCKET OF COUNTERSHAFT		
35	380070141-0001 Hexagon head bolt		HEXAGON FLANGE BOLT	M6_L=10_10.9	

E-10 Speed Shifting Mechanism

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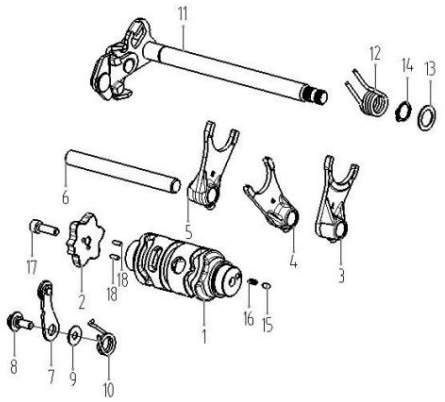

Serial number S/N	Parts code Part No.	Parts Name Description	state Condition	quantity Quantity
1	192080101-0001 Speed Shift Drum	VARIABLE SPEED DRUM	International Six	1
2	192100024-0001 Five-star dial	FIVE-STAR DIAL		
3	192120144-0001 Fork	FORK SHUFT	Left fork	
4	192120145-0001 Fork	FORK SHUFT	Middle fork	
5	192120146-0001 Fork	FORK SHUFT	Right fork	
6	192130066-0001 Fork shaft	BAR SHIFE FORK GUIDE		
7	192190022-0001 Stop plate assembly	STOPPER LEVER ASSY		
8	192240007-0001 Stop plate bolt	STOP PLATE BOLT	M6×13.5	
9	380450227-0001 Flat washer	FLAT WASHER		
10	381160307-0001 Torsion spring	TORSION SPRING		
11	192330069-0001 Shift shaft assembly	SHIFT SHAFT ASSEMBLY		
12	381160180-0001 Torsion spring	TORSION SPRING		
13	380540143-0001 Shoulder retaining ring	SHOULDER RETAINING RING		
14	380550173-0001 Circlip	CIRCLIP		
15	270720001-0001 gear display switch moving contact	GEAR DISPLAY SWITCH CONTACT		
16	381150005-0001 Compression spring	SPRING		
17	380190008-0005 Hexagon socket screw	HEXAGON SOCKET SCREW	M6_L=20;	
18	380600098-0001 Positioning pin	PIN DOWEL	d=3_L=8.5;	

E-11 Lubrication mechanism

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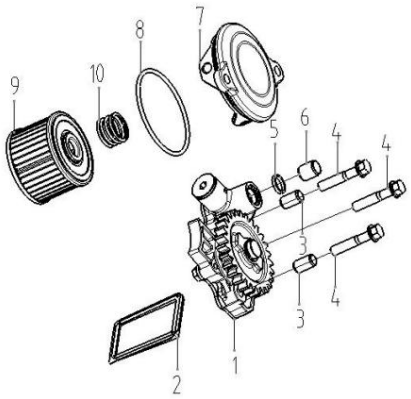

Serial number S/N	Parts code Part No.	Parts Name Description		state Condition	quantity Quantity
1	150010141-0001 Oil pump parts		OIL PUMP ASSY.	27 teeth_rotor 4/5 teeth, thickness 9	
2	150290047-0001 Oil filter		OIL FILTER	52×35×4.5;	
3	380600002-0001 Locating pin		PIN DOWEL	Q/LX G 8.18_A type_d=8_L=14	
4	380140068-0004 Hexagonal flange bolt		BOLT	M6_L=32;	
5	380841294-0001 Seal		SEAL RING	D=10_OD12.8_d=2	
6	380600060-0001 Positioning pin		PIN DOWEL	d=10_L=12	
7	150360037-0003 Oil fine filter cover		OIL FILTER COVER		
8	380840179-0001 Sealing ring		SEAL RING	D=56.5_d=2.4	
9	150350021-0001 Oil fine filter assembly		ELEMENT ASSY. OIL CLEANER		
10	381150726-0001 Compression spring		COMPRESSION SPRING	For installation of oil fine filter;	

E-12 Starting mechanism assembly

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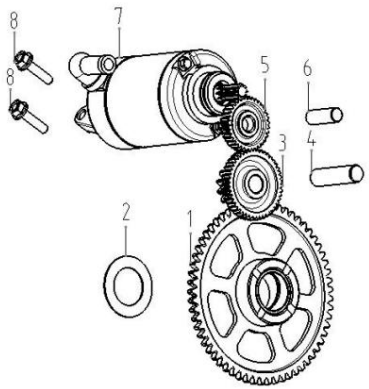

Serial number S/N	Parts code Part No.	Parts Name Description		state Condition	quantity Quantity
1	193240059-0001 Disc gear		GEAR		
2	380451321-0001 Flat washer		FLAT WASHER	Inner diameter 26_Outer diameter 42_Thickness 1	
3	19319005 8-0001 Electric starter double gear		GEAR		
4	193230036-0001 Double gear shaft		GEAR	y12×47;	
5	193200022-0001 Electric starter bridge gear		BRIDGE GEAR		
6	380610464-0001 Pin		PIN SHAFT	d=10_L=30;	
7	270350133-0002 Starting motor assembly		STARTING MOTORr ASSY.		
8	380140103-0004 Hexagonal flange bolt		BOLT,FLANGE	M6_L=25;	

E-13 Clutch Assembly

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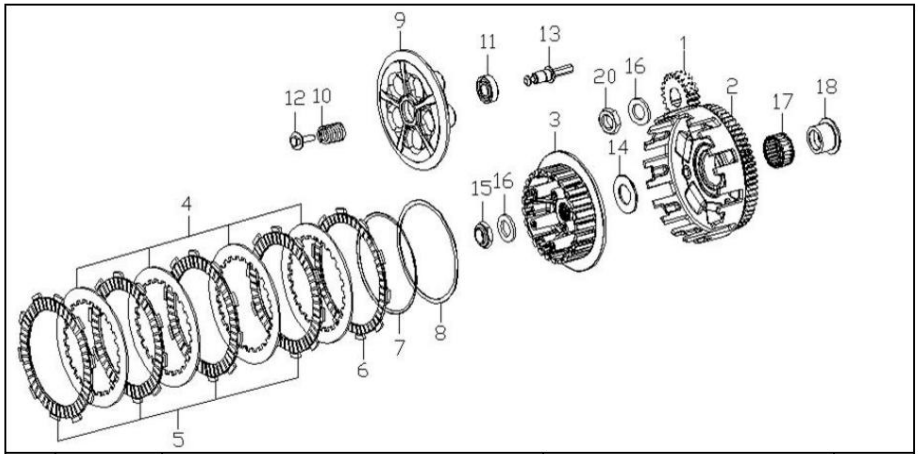

Serial number S/N	Parts code Part No.	Parts Name Description		state Condition	quantity Quantity
1	190030091-0001 Primary driving gear		Gaer,Primary drive		
2	190330131-0001 Clutch cover assembly		Primary driven gear comp		
3	190410057-0001 Center sleeve body		Boss,Clutch		
4	190460066-0001 Driven friction plate		Plate,Clutch 1	Thickness 1.9, outer diameter 125	
5	190430070-0001 Active friction plate		Plate,Friction 2	Thickness 3.0, inner diameter 101	
6	190430071-0001 Active friction plate		Plate,Friction 2	Thickness 3.0, inner diameter 108	
7	381170031-0001 Disc spring		DISC SPRING		
8	380451322-0001 Flat washer		FLAT WASHER		
9	190470124-0001 Pressure plate		Pressure plate assy.		
10	190550085-0001 Clutch main spring		Spring ,Clutch 1		
11	380630013-0001 Bearing		Bearing	6001;	
12	380710039-0001 Bolt or screw and flat washer combination Screw, Spring			M6_Length 25	
13	190730040-0001 Push rod		Rod,Push 1		
14	380451316-0001 Flat washer		FLAT WASHER	Inner diameter 20_Outer diameter 40_Thickness 2	
15	380810107-0001 Round nut		Nut	M16×1	
16	380451315-0001 Flat washer		FLAT WASHER	Inner diameter 16.5_Outer diameter 27_Thickness 3	
17	380630693-0001 Bearing		Bearing		
18	380823949-0001 Bushing		Spacer 1		
19	380340253-0001 Hexagonal nut		Nut	M16×1	

E-14 Magneto Assembly

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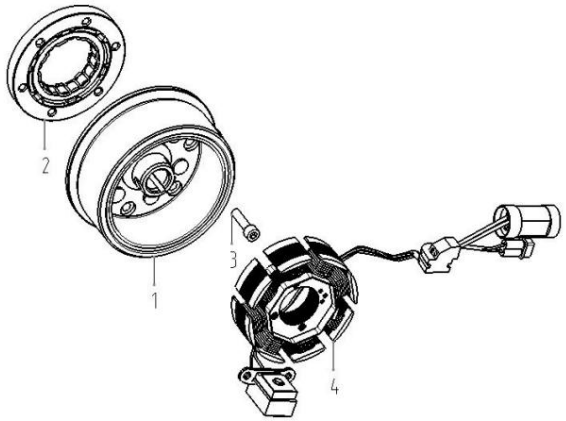

Serial number S/N	Parts code Part No.	Parts Name Description		state Condition	quantity Quantity
1	270020629-0001 Magneto rotor parts		Rotor assy.		
2	193100005-0001 Starting clutch body		Starter clatch outer assy.		
3	380190533-0001 Hexagon socket screw		HEXAGON SOCKET SCREW	M6_L=25	
4	270100351-0001 Magnetic motor spindle parts		STATOR ASSY.		

	Code	name			Single unit usage
	160720008-0001 Cylinder temperature		Cylinder temperature sensor	BOSCH EFI	
	sensor 172710075-0001 Electronic controller		Electronic controller ECU	BOSCH EFI	
	ECU 172750045-0001 Oxygen sensor		Oxygen sensor	BOSCH EFI	
	172810082-0001 Throttle body assembly		throttle assembly	BOSCH EFI	
	173010051-0001 Injector		Fuel injector	BOSCH EFI	
	173020036-0001 Injector cap		Fuel injector cap	BOSCH EFI	
	180410061-0001 Intake pipe component		Air intake pipe component	BOSCH EFI	
	270920588-0001 Ignition coil		Ignition coil	BOSCH EFI	

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1. Parts code: 13 digits required	
2	Parts status: Do not fill in the material, only fill in the model and size specifications, such as: Bolt: M6×85 Oil seal, gasket: 12×22×4 Spark plug: LMAR8J-9E