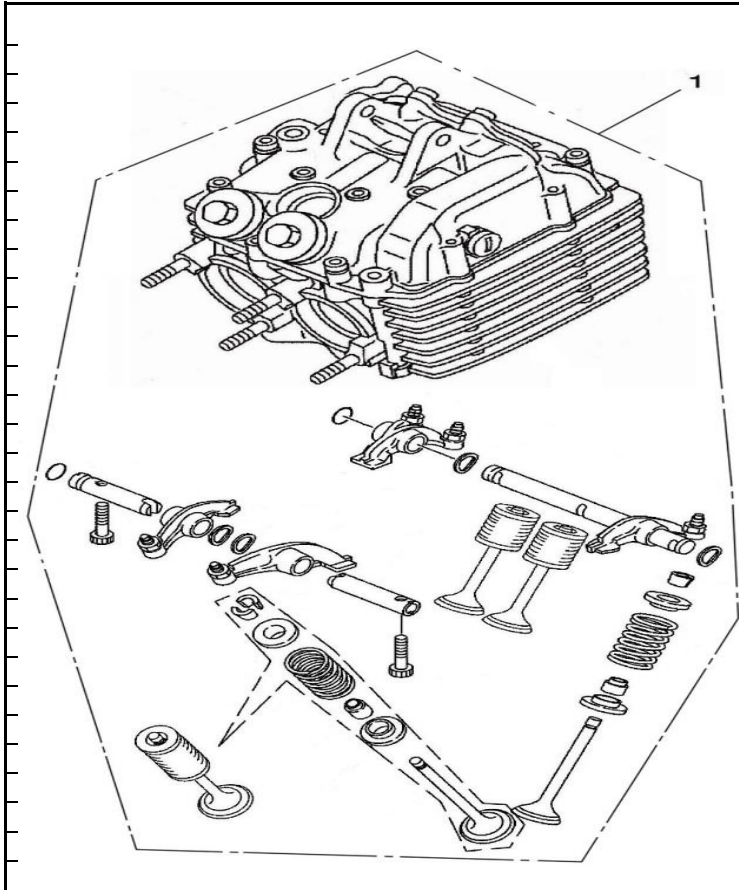
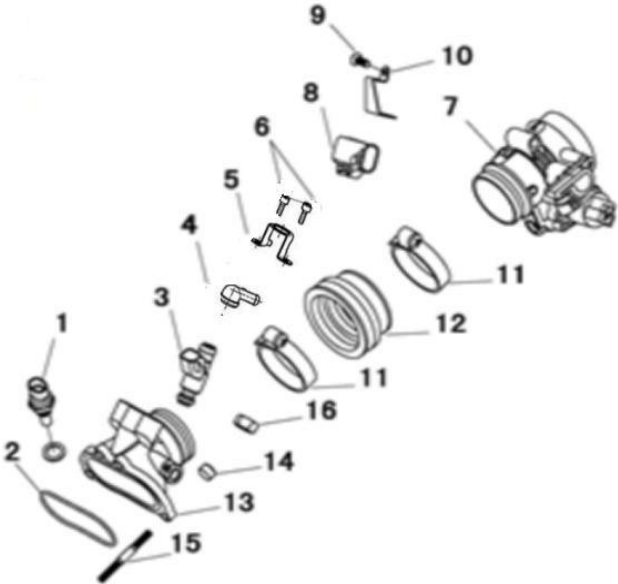


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THROTTLE BODY		HS2070E03 ENGINE			
	No	Old Part No	New Pt No	Description	QTY
	1		P010000391300010	WaterTemperature Sensor, 3 Wire	1
	2	91221007E0000	P007000124050000	Seal,intake-tube	1
	3	16400007C0000	P007C00165300000	Fuel Injector (25377439)	1
	4		P007000164300003	Fuel Injector 90 degree Swivel Seat	1
	5		P007000164310000	Fuel injector clamp	1
	6		BGB70M612	Hexagon Socket Head Cap Screws M6×12	2
	7	16100007C0000	P007C00164000000	Throttle Body D46-4 No Sensors	1
	8	167230100000	P010000391500000	Temperature/Pressure Sensor	1
	9	9314604008060	BGB90744M48	Cross Recessed Pan Head Screw, Single Coil Spring	1
	10	167010100000	P010000167010000	Press Plate,Temp	1
	11	904020070000	PJ00000907300800	Hose Clamp Assy 50~70	2
	12	14801007C0000	P007C00124010000	Intake-Tube Joint	1
	13	14800007C0000	P007C001241A0000	Intake-Tube Assy	1
	14	14811007C0000	PJ00000929000400	Bushing 7×9×8	4
	15	9314006032060	BGB897M632	Stud M6×32	4
	16	904111020000	BGB6177M6	Nut M6	4
	17		P010000391400000	Potion Sensor,Throttle	1
	18		P010000393000000	IAC MOTOR	1

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HS2070E05

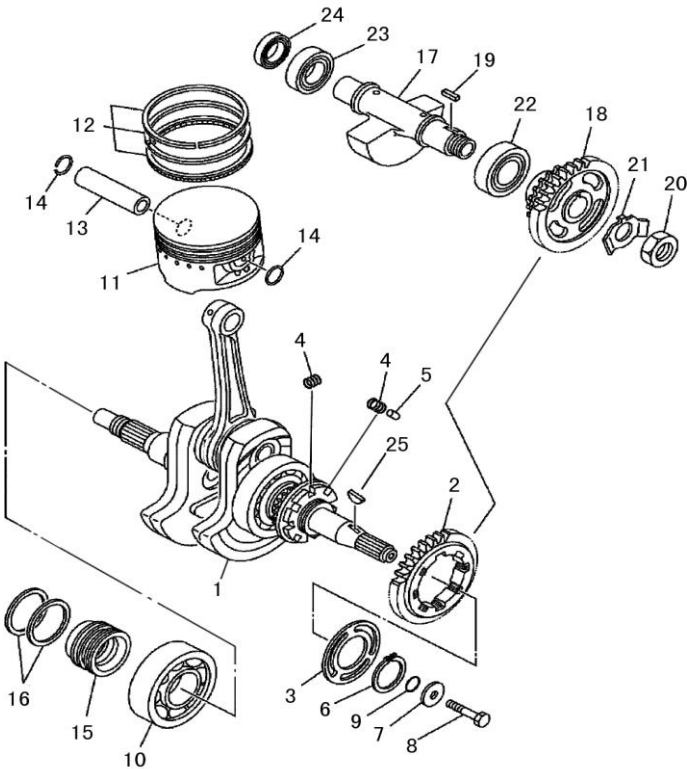
ENGINE

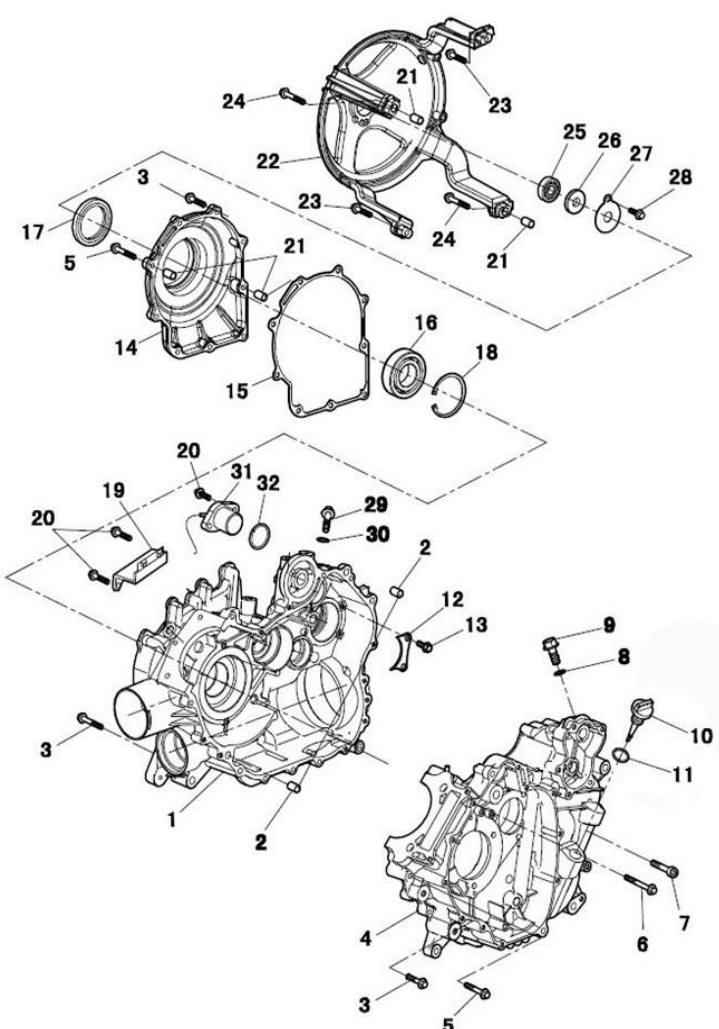
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This diagram illustrates the exploded view of a cam, chain, and tensioner assembly. The components are numbered as follows:

- 1:** Camshaft assembly, including the camshaft and its mounting bracket.
- 2:** Timing gear and its associated mounting hardware.
- 3:** The timing chain.
- 4:** The tensioner arm.
- 5:** The tensioner pulley.
- 6:** The tensioner spring and its mounting hardware.
- 7:** Various small fasteners, including pins and washers, used to secure the assembly.
- 8:** The main engine block or housing to which the components are attached.

[illegible]

CRANKSHAFT & PISTON		HS2070E07 ENGINE				
		No	Old Part No	New Pt No	Description	QTY
		1		P007000132000100	Crankshaft Assy	1
		2	133040040000	P004000133220000	Driving Gear,Balance Shaft	1
		3	133050040000	P004000133230000	Locating Plate,Balance Gear,Outer	1
		4	133020040000	P004000133250000	Buffer Spring,Balance Gear	8
		5	133030040000	P004000133260000	Spacer Pin,Balance Gear	4
		6	9333835000000	BGB894135	Circlip For Shaft Ø35	1
		7	906080020000	PJ00000906000700	Washer 10×32×5	1
		8	9310310040060	BGB5783M1012540	Hexagon Head Bolts M10×1.25×40	1
		9	912070070000	PJ00000912012000	O-Ring 16×3	1
		10	9370630700000	BGB2766307	Bearing 6307	1
		11	131010070000	P007000131010000	Piston	1
		12	131200070000	P0070001311A0000	Piston Ring Set	1
		13	131110070000	P007000131020000	Piston Pin	1
		14	913010070000	P007000131070000	Circlip,Piston Pin	2
		15	134010040000	P004000110230000	Bushing,Sealing Ring	1
		16	134020030000	P003000110240000	Sealing Ring	2
		17	133000070000	P0070001331A0000	Balance Shaft Assy	1
		18	133200040000	P0040001332A0000	Balance Driven Gear Assy	1
		19	9360001205052	BGB1096B5124	Key B5×12	1
		20	9320218000060	PJ00000904021000	Hexagon Nut M18×1	1
		21	931320040000	PJ00000906030400	Tab Washer A	1
		22	9370630500000	BGB2766305	Bearing 6305	1
		23	9370630400000	BGB2766304	Bearing 6304	1
		24	911010040000	PJ00000911012100	Oil Seal 20×30×7	1
		25	132010040000	P004000130010000	Key	1

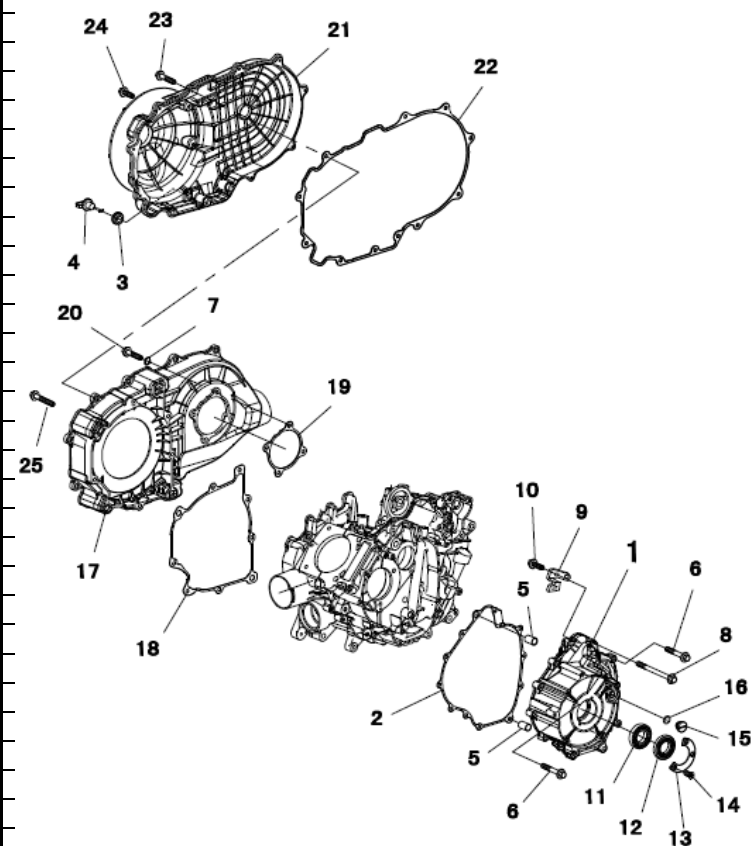
CRANKCASE	HS2070E08 ENGINE				
	No	Old Part No	New Pt No	Description	QTY
	1	112000070001	P0070001110A0000	Right Crankcase Assy (NEW MODE)	1
	1	112000070000	P0070001110A0002	Right Crankcase Assy (OLD MODE)	1
	2	908040070000	PJ00000908020500	Pin,Dowel 9×12×16	2
	3	9310706030060	BGB5787M630	Hexagon Flange Bolts M6×30	19
	4	111000070001	P0070001120A0001	Left Crankcase Assy (NEW MODE)	1
	4	111000070000	P0070001120A0000	Left Crankcase Assy (OLD MODE)	1
	5	9310706040060	BGB5787M640	Hexagon Flange Bolts M6×40	4
	6	9310706085060	BGB5787M685	Hexagon flange bolts M6×85	1
	7	9343208040060	BGB70M840	Hexagon Socket Head Cap Screws M8×40	3
	8	906220040000	PJ00000906010700	Aluminum Washer 14×20×1.5	1
	9	930040020000	PJ00000904050400	Hexagon Flange Screw Plug M14×1.5×16	1
	10	156100070001	P007000156500100	Oil Dipstck	1
	11	912070010000	PJ00000912012400	O-Ring 18×3.5	1
	12	931030040000	P004000110130000	Press Plate,Main Shaft Bearing	1
	13	9310706016060	BGB5787M616	Hexagon Flange Bolts M6×16	2
	14	212400040000	P004000113210000	Wet Clutch Case Cover	1
	15	212410040000	P004000113220000	Gasket,Wet Clutch Cover	1
	16	9371601000000	BGB27616010	Bearing 16010	1
	17	911020040000	PJ00000911012200	Oil Seal 35×65×9	1
	18	907070030000	BGB89380	Circlip For Hole Ø80	1
	19	546371150000	P004000171660000	Bracket,Cvt Vent-Pipe	1
	20	9314606016060	BGB907414M616	Hexagon Head Bolt And Plain Washer Assemblies M6×16	4
	21	908030100000	PJ00000908020300	Pin,Dowel 10×16	4
	22	113300040000	P004000113310000	Shield Bracket,Clutch	1
	23	9310906032060	BGB5789M632	Hexagon Flange Bolts M6×32	2
	24	9310906040060	BGB5789M640	Hexagon Flange Bolts M6×40	2
	25	9376201238000	BGB2766201 2Z	Bearing 62012Z	1
	26	911010030000	PJ00000911011200	Oil Seal 12×32×6	1
	27	913200030000	P004000110320000	Press Plate,Bracket Oil Seal	1
	28	9310706012060	BGB5787M612	Hexagon Flange Bolts M6×12	1
	29	3718A0040000	P0040003718A0000	Gear Switch	1
	29	9310710016060	BGB5787M1012516	Hexagon Flange Bolts M10×1.25×16	1
30	906030020000	PJ00000906020300	Copper Washer 10×16×1	1	
31	371200040000	P004000365500000	Sensor,Gear Shift Indicator	1	
31	371200120000	P012000365500000	Sensor,Gear Shift Indicator	1	
32	912080040000	PJ00000912013800	O-Ring 29.6×2.4	1	

CRANK CASE COVER

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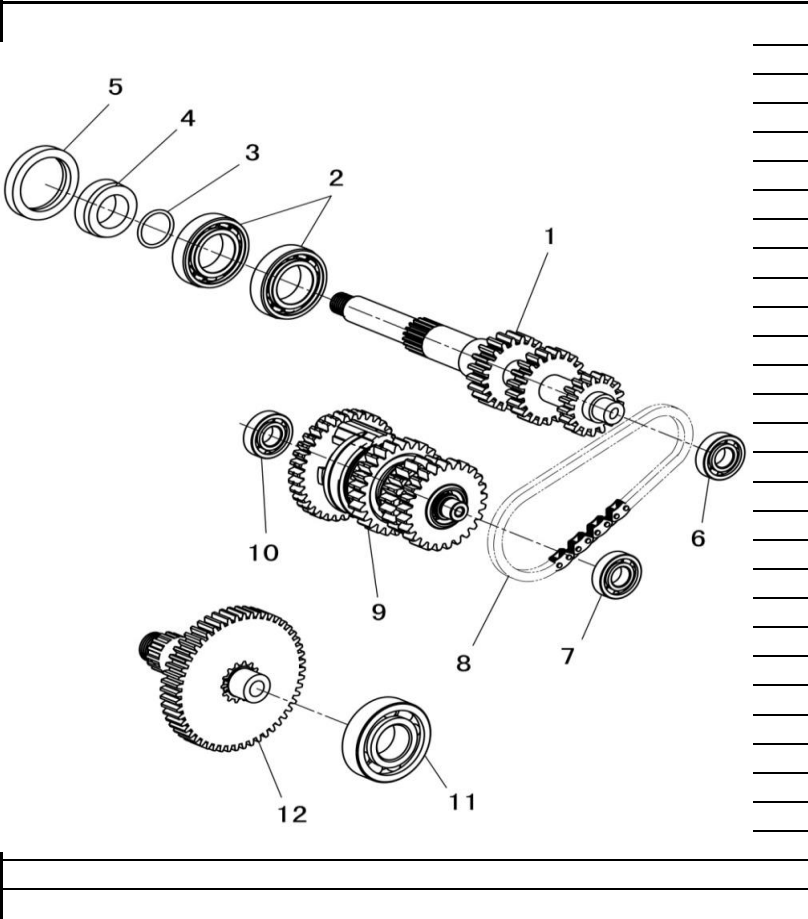
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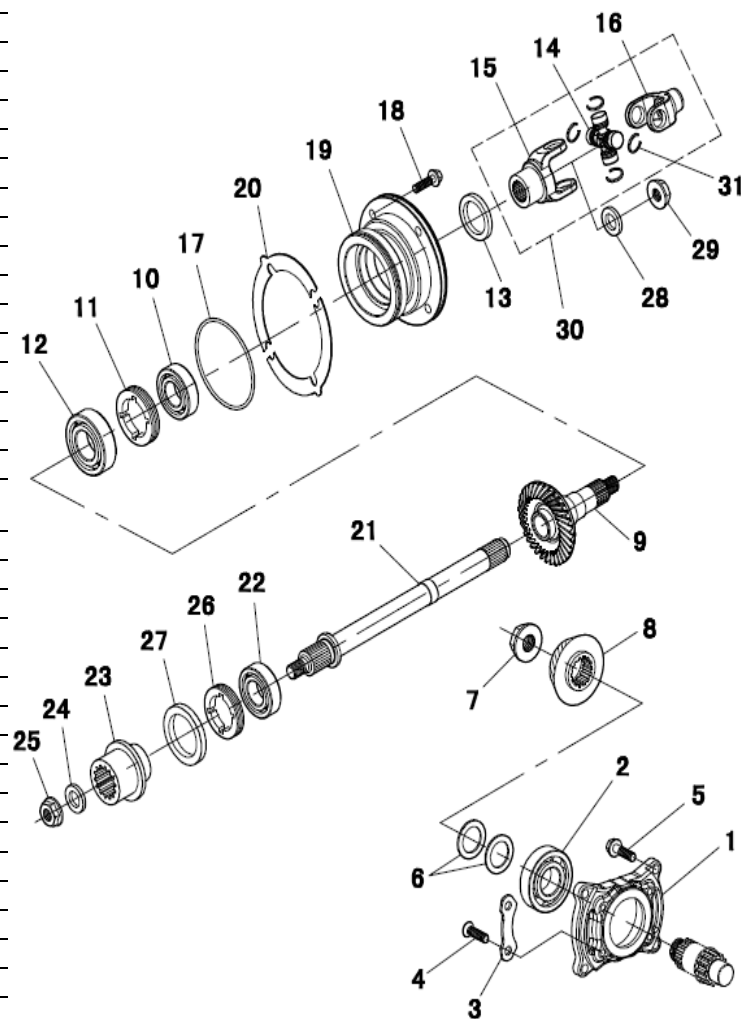
New Pt No	Description	QTY
P004000114010000	Stator Case Cover	1
P004000114020000	Gasket, Stator Case Cover	1
P003000115030000	Damper	1
P003000115040000	Drain Plug,Clutch Cover	1
PJ00000908020300	Pin,Dowel 10×16	2
BGB5787M630	Hexagon Flange Bolts M6×30	9
BGB936	Spring Washer Ø6	7
BGB5787M640	Hexagon Flange Bolts M6×40	4
P004000110040000	Stator Wire Guard Plate	1
BGB5787M612	Hexagon Flange Bolts M6×12	2
BGB27660/28	Bearing 60/28	1
PJ00000911011300	Oil Seal 28×52×8.5	1
P002000931170000	Press Plate,Oil Seal	1
BGB8191M512	Cross Recessed Countersunk Head Screw M5×12	2
P003000110020000	Small Peep Hole Cover	1
PJ00000912011400	O-Ring 13.4×2.35	1
P0040001151A0000	Cover,Clutch,Inner	1
P004000115110000	Seal,Clutch Inner Cover I	1
P004000115120000	Seal,Clutch Inner Cover II	1
BGB5789M632	Hexagon Flange Bolts M6×32	7
P0040001152A0000	Cover,Clutch,Outer	1
P004000115230000	Seal,Clutch Cover	1
BGB5789M625	Hexagon Flange Bolts M6×25	12
BGB5789M616	Hexagon Flange Bolts M6×16	2
BGB5789M650	Hexagon Flange Bolts M6×50	2



TRANSMISSION

No

[illegible]

DRIVE GEAR		HS2070E11ENGINE				
		No	Old Part No	New Pt No	Description	QTY
		1	221400040000	P004000112110000	X Shaft Bearing Block	1
		2	9370630500000	BGB2766305	Bearing 6305	1
		3	931160030000	P003000931160000	Press Plate,X Shaft Bearing Block	2
		4	9340908025060	BGB8192M825	Cross Recessed Countersunk Head Screw M8x25	4
		5	9310708030060	BGB5787M830	Hexagon Flange Bolts M8x30	4
		6		PJ00000906002500	Spacer 26x38x0.4	1
		7	9320222000060	PJ00000904021400	Hexagon Flange Nut M22x1	1
		8		P004000224010100	Driving Bevel Gear	1
		9		P003000224020100	Driven Bevel Gear	1
		10	9370632200000	BGB27663/22	Bearing 63/22	1
		11	221580040000	P004000111120000	External Thread Nut M60x1.5	1
		12	9370620700000	BGB2766207	Bearing 6207	1
		13	911060030000	PJ00000911011600	Oil Seal 30x46x8	1
		14	221600100000	PJ00000255000100	U-Joint (ø22)	1
		15	22161004D0000	P004D00224110022	Yoke A(ø22)	1
		16	221650100000	PJ00000254000200	Yoke C(ø22)	1
		17	912070040000	PJ00000912017300	O-Ring 88x2.8	1
		18	9314608030060	BGB907414M830	Hexagon Head Bolt And Plain Washer Assemblies M8x30	4
		19	221510040000	P004000111110000	Y Shaft Bearing Block	1
		20	931150040000	P004000111140100	Spacer 0.1,Bevel Gear	2
				P004000111140200	Spacer 0.2,Bevel Gear	2
				P004000111140300	Spacer 0.3,Bevel Gear	2
				P004000111140400	Spacer 0.4,Bevel Gear	2
				P004000111140500	Spacer 0.5,Bevel Gear	2
				P004000111140600	Spacer 0.6,Bevel Gear	2
		21	221560040000	P004000224040000	Y Driveshaft	1
		22	9370620500000	BGB2766205	Bearing 6205	1
		23	22181004D0000	P004D002243A0000	Coupling, Rear Drive	1
		24	906070030000	PJ00000906001400	Washer 14.5x32x5	1
		25	903010030000	BGB61872M14	Self-Locking Nut M14x1.5	1
		26	221590030000	P003000111130000	External Thread Nut M55	1
27	911030040000	PJ00000911012300	Oil Seal 44x60x7	1		
28	906070040000	PJ00000906003200	Washer 16.5x28x4	1		
29	903010040000	BGB61872M16	Self-Locking Nut M16x1.5	1		
30	2216A004D0000	P004D002241A0022	Cross U-Joint Assy (ø22)	1		
31	221630100000	BGB96022	Snap Ring ø22	4		

CLUTCH

This exploded view diagram illustrates the components of a clutch assembly. The parts are numbered as follows:

- 1**: Clutch housing (bell housing)
- 2**: Clutch disc
- 3**: Clutch fork
- 4**: Clutch fork pin
- 5**: Release bearing
- 6**: Release bearing cap
- 7**: Release bearing pin
- 8**: Release bearing pin bush
- 9**: Release bearing pin sleeve
- 10**: Release bearing pin nut

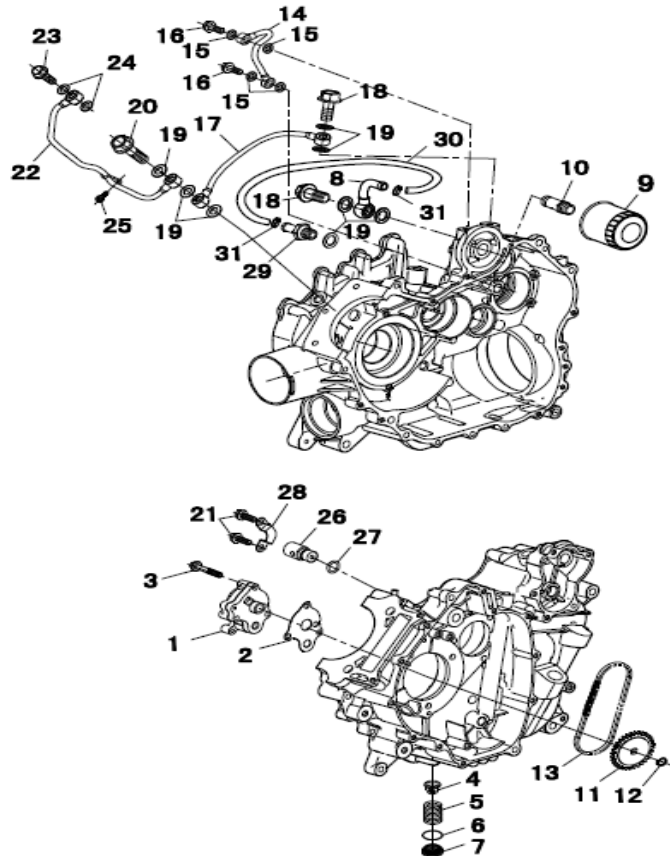
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SHIFT FORK

This diagram illustrates the components of a shift fork assembly, numbered 1 through 20. The parts are shown in an exploded view to show their relative positions and assembly sequence.

- 1**: Main cylindrical housing or sleeve.
- 2**: Fork arm (lower).
- 3**: Fork arm (upper).
- 4**: Long shaft or pin.
- 5**: Small cylindrical pin or bush.
- 6**: Spring.
- 7**: Washer or spacer.
- 8**: Pin or bush (two locations).
- 9**: Bolt or screw.
- 10**: Nut or washer.
- 11**: Gear or pinion assembly.
- 12**: Gear or pinion.
- 13**: Seal or O-ring.
- 14**: Housing or cover plate.
- 15**: Housing or cover plate (different view).
- 16**: Pin or bush.
- 17**: Bolt or screw.
- 18**: Washer or spacer.
- 19**: Pin or bush.
- 20**: Pin or bush.

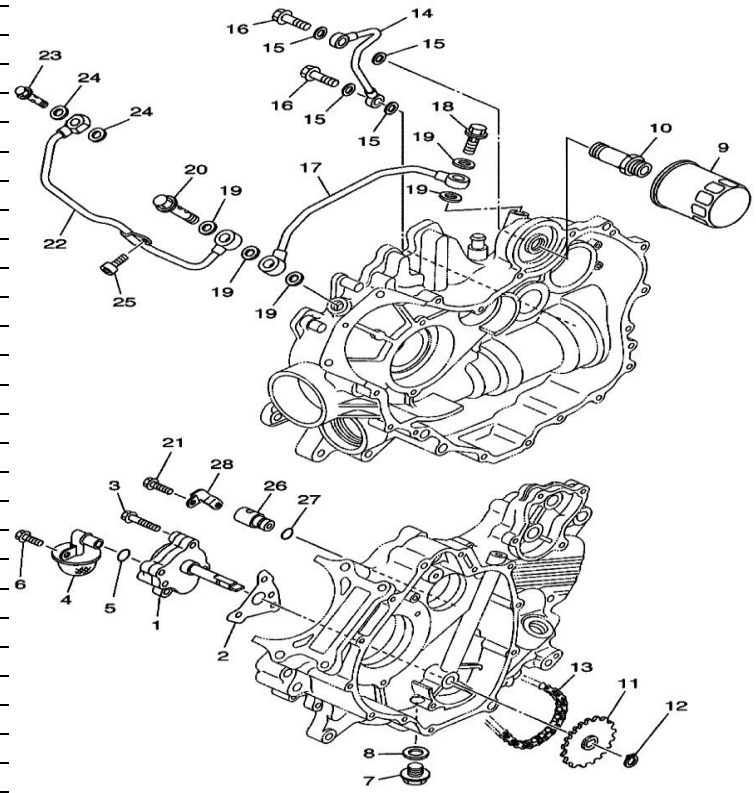
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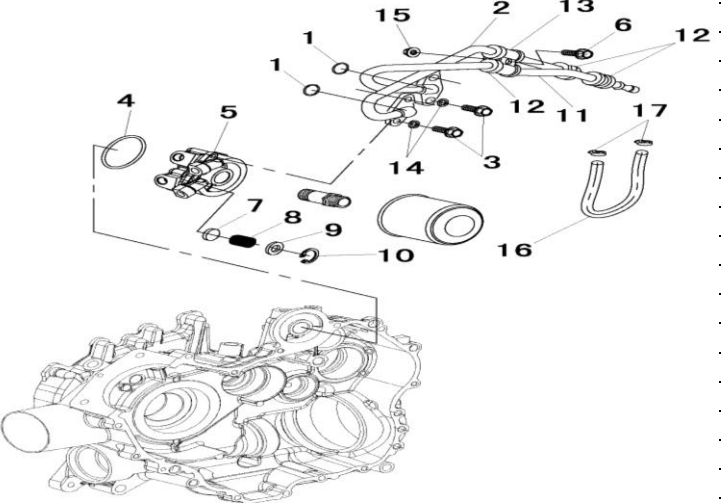
OIL PUMP	HS2070E14 ENGINE				
	No	Old Part No	New Pt No	Description	QTY
	1	151000040100	P004000151100100	Oil Pump Assy	1
	2	151010040100	P004000151010100	Gasket,Oil Pump	1
	3	9310706040060	BGB5787M640	Hexagon Flange Bolts M6×40	3
	4	152030020000	P002000152030000	Oil Filter Strainer	1
	5	152040020000	P002000152040000	Filter Spring	1
	6	912030020000	PJ00000912014700	O-Ring 36×3.5	1
	7	111070020000	P002000111070000	Blind Nut,Oil Drainage	1
	8	153020070002	P0040001535A0000	Oil Tube Welding Assy D	1
	9	152000030000	P003000152000000	Oil Filter	1
	10	152010030000	P003000152010000	Filter Adapter	1
	11	151610040000	P004000151160000	Oil Pump Driven Sprocket	1
	12	9333811000000	BGB894111	Circlip For Shaft Ø11	1
	13	152030040000	P004000150030000	Chain,Oil Pump	1
	14	153010040000	P0040001532A0000	Oil Tube Welding Assy A	1
	15	906130040000	PJ00000906010300	Aluminum Washer 8×15×2	4
	16	930110040000	P004000153010000	Bolts For Oil Tube M8×25	2
	17	153020040000	P0040001533A0000	Oil Tube Welding Assy B	1
	18	930130040000	P004000153030000	Bolts For Oil Tube M14×1.5×28	2
	19	906120040000	PJ00000906010900	Aluminum Washer 14×22×1.5	8
	20	930140040000	P004000153040000	Bolts For Oil Tube M14×1.5×50	1
	21	9310706014060	BGB5787M614	Hexagon Flange Bolts M6×14	2
	22	153030070000	P0070001534A0000	Oil Tube Welding Assy C	1
	23	930120040000	P004000153020000	Bolts For Oil Tube M10×1.25×30	1
	24	906140040000	PJ00000906010400	Aluminum Washer 10×16×1.2	2
	25	9310706012060	BGB5787M612	Hexagon Flange Bolts M6×12	1
	26	153600040000	P0040001536A0000	Pressure Regulating Valve Assy,Engine Oil	1
	27	912110040000	PJ00000912010800	O-Ring 10×2.45	1
	28	931340040000	P004000153650000	Press Plate,Pressure Regulating Valve	1
	29	196060030000	P003000111050000	Oil Pipe Joint	1
	30	15307004D0000	P004000153071000	Rubber Oil Pipe 1000	1

	31	904020100000	PJ00000907300000	Hose Clamp Assy Ø12~Ø20	2

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OIL PUMP	HS2070E19 ENGINE				
	No	Old Part No	New Pt No	Description	QTY
	1	151000040000	P004000151100000	Oil Pump Assy	1
	2	151010040000	P004000151010000	Gasket,Oil Pump	1
	3	9310706040060	BGB5787M640	Hexagon Flange Bolts M6×40	3
	4	153000040000	P0040001521A0000	Oil Filter Strainer Assy	1
	5	912060020000	PJ00000912011600	O-Ring 14×2.3	1
	6	9310706014060	BGB5787M614	Hexagon Flange Bolts M6×14	1
	7	930040020000	PJ00000904050400	Hexagon Flange Screw Plug M14×1.5×16	1
	8	906220040000	PJ00000906010700	Aluminum Washer 14×20×1.5	1
	9	152000030000	P003000152000000	Oil Filter	1
	10	15201004D0000	P004D00152010000	Filter Adapter	1
	11	151610040000	P004000151160000	Oil Pump Driven Sprocket	1
	12	9333811000000	BGB894111	Circlip For Shaft Ø11	1
	13	152030040000	P004000150030000	Chain,Oil Pump	1
	14	153010040000	P0040001532A0000	Oil Tube Welding Assy A	1
	15	906130040000	PJ00000906010300	Aluminum Washer 8×15×2	4
	16	930110040000	P004000153010000	Bolts For Oil Tube M8×25	2
	17	153020040000	P0040001533A0000	Oil Tube Welding Assy B	1
	18	930130040000	P004000153030000	Bolts For Oil Tube M14×1.5×28	1
	19	906120040000	PJ00000906010900	Aluminum Washer 14×22×1.5	5
	20	930140040000	P004000153040000	Bolts For Oil Tube M14×1.5×50	1
	21	9310706014060	BGB5787M614	Hexagon Flange Bolts M6×14	2
	22	153030070000	P0070001534A0000	Oil Tube Welding Assy C	1
	23	930120040000	P004000153020000	Bolts For Oil Tube M10×1.25×30	1
	24	906140040000	PJ00000906010400	Aluminum Washer 10×16×1.2	2
	25	9310706012060	BGB5787M612	Hexagon Flange Bolts M6×12	1
	26	153600040000	P0040001536A0000	Pressure Regulating Valve Assy,Engine Oil	1
	27	912110040000	PJ00000912010800	O-Ring 10×2.45	1
	28	931340040000	P004000153650000	Press Plate,Pressure Regulating Valve	1

OIL PUMP		HS2070E20 ENGINE				
	No	Old Part No	New Pt No	Description	QTY	
	1	912230040000	PJ00000912011000	O-Ring 11×2	2	
	2	15308004D0000	P004D00153080000	Oil Pipe V/Utv	1	
	3	9310706020060	BGB5787M620	Hexagon Flange Bolts M6×20	4	
	4	912220040000	PJ00000912016000	O-Ring 57.2×3	1	
	5	15202004D0000	P004D00152020000	Seat,Filter	1	
	6	9310706012060	BGB5787M612	Hexagon Flange Bolts M6×12	1	
	7	906190040000	PJ00000906011100	Aluminum Washer 10×2	1	
	8	15363004D0000	P004000152070000	Relief Valve Spring	1	
	9	906210040000	PJ00000906002800	Washer 6×12×1	1	
	10	9334012000000	BGB89312	Circlip For Hole Ø12	1	
	11	15309004D0000	P004D00153090000	Oil Pipe Iv/Utv	1	
	12	15317004D0000	P004D00153170000	Protecting Jacket,Oil Pipe	4	
	13	15318004D0000	P004D00153180000	Hoop,Oil Pipe	2	
	14	9331506000000	BGB936	Spring Washer Ø6	4	
	15	9323206000040	BGB61872M6	Self-Locking Nut M6	1	
	16	153140070000	P007000153070520	Rubber Oil Pipe 520	1	
17	904020100000	PJ00000907300000	Hose Clamp Assy Ø12~Ø20	2		