

PARTS LIST FOR SAITO FG-90R3

October 1, 2016
SAITO SEISAKUSHO CO., LTD

Head No.	No.	DESCRIPTION	SUB	REMARKS			Q'TY	
				DETAILS	ITEMS	INTCH	PE	PP
G90R3	01	Cylinder (left)		Cylinder	G90R3		3	
G90R3	06	Piston		Piston	G90R3		3	
G61TS	07	Piston pin		Piston pin	G61TS		3	
G60R3	08	Piston pin retainer		Piston pin retainer	G60R3		6	
G61TS	09	Piston ring		Piston ring	G61TS		3	
G90R3	10	Master rod		Master rod	G90R3		1	
450R3D	11	Link rod		Link rod	450R3D		2	
450R3D	12B	Link pin, Retainer & Washer	1 2 3	Link pin Thrust washer Retainer (E-ring)	450R3D 450R3D 450R3D		2 2 2	6
G84R3	14	Cylinder screw set	1 2A 3 4	Cap screw M4x14 for cylinder Cap screw M3x10 (coating) for rocker arm bracket Cap screw M2.6x10 for rocker arm cover Cap screw M2.6x16 (coating) for intake manifold	120S 120S 120S 30		12 6 12 12	42
G90R3	15	Crankcase		Crankcase	G90R3		1	
G90R3	17	Rear cover (A)		Rear cover (A)	G90R3		1	
G36	19	Breather nipple		Breather nipple	G36		1	
450R3D	20	Front bearing		Front bearing (#6301LLU)	450R3D		1	
450R3D	22	Rear bearing		Rear bearing (#16004)	450R3D		1	
G84R3	23	Crankshaft		Crankshaft	G84R3		1	
G84R3	27	Taper collet & Drive flange	1 2	Taper collet Drive flange (with magnets)	G84R3 G84R3		1 1	2
G57TS	28	Prop washer & nut	1 2A 3	Propeller washer (Aluminum) Propeller nut Steel washer M10	G57TS 300T G57TS		1 1 1	3
G90R3	31	Crankcase screw set	1 2 3 4 5 6 7	Cap screw M4x12 for Rear cover (A) Cap screw M4x16 for Engine mount Cap screw M3x10 for Cam gear housing Cap screw M3x12 (SUS) for Rear cover (B) Set screw M3x4 for Cam gear shaft Cap screw M3x10 (coating) for Heat sink Set screw M4x4 for Lubrication adopter	450R3D G84R3 50 450R3D 50 G90R3 450R3D		6 6 12 6 3 12 1	46
G90R3	32	Engine gasket set	1 2 3-1 4 5 8 9	Gasket for cam gear housing Gasket for rocker arm cover Gasket for rear cover (A) O-ring S11 (Viton) for Intake pipe Gasket for intake pipe Gasket for cylinder Insulator for intake manifold	300T G36 450R3D 120S 30 30 30		3 6 1 6 6 3 3	28
G36	33	Cam gear housing		Cam gear housing (left) /Set screw M3x4	G36		3	
120S	35	Cam gear		Cam gear	120S		1	
50	36A	Cam gear shaft		Cam gear shaft	50		2	
G84R3	37	Steel washer set	1 2	Steel washer for cam gear shaft Steel washer for rocker arm	G36 G36		6 6	8
120S	38	Tappet		Tappet	120S		6	
450R3D	39	Pushrod		Push rod	450R3D		6	2
450R3D	40	Pushrod cover & Rubber seal	1 2 3	Push rod cover Rubber bush for Pushrod cover (U) Rubber bush for Pushrod cover (L)	450R3D 120S 120S		6 6 6	18
120S	41	Rocker arm		Rocker arm	120S		6	
120S	42	Rocker arm screw & nut	1 2	Adjusting screw for rocker arm Lock nut for rocker arm screw	120S 120S		6 6	
120S	43	Rocker arm pin		Rocker arm pin	120S		6	
120S	44	Rocker arm bracket (left)		Rocker arm bracket (left)	120S		3	
120S	45	Rocker arm bracket (right)		Rocker arm bracket (right)	120S		3	
G61TS	46	Valve (in & Ex)	1 2	Valve (Intake) Valve (Exhaust)	180 120S		3 3	6
120S	47	Valve spring & Keeper & Retainer	1 2	Valve spring Valve spring Keeper Valve retainer (Cotter)	120S 120S 120S	48	6 6 6	18
150S	49	Rocker arm cover		Rocker arm cover	150S		6	
G84R3	69	Intake manifold (left)		Intake pipe	G84R3		3	1
G84R3	78	Flexible exhaust pipe	1 2 3	Flexible exhaust pipe for #1 cylinder Flexible exhaust pipe for #2 cylinder Flexible exhaust pipe for #3 cylinder	G84R3 G84R3 G84R3		1 1 1	3

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				DETAILS	ITEMS	INTCH	PE	PP
G90R3	82-1	Carburetor Complete	1	Carburetor body	G57TS		1	
			2	Throttle lever adaptor	G57TS		1	
			3	Cap screw for adaptor M2.6x4	G57TS		2	
			4	Gasket for carburetor	G36		2	
			5	Insulator No.1	G36		1	
			6	Insulator No.2	G36		4	19
			7	M3 steel washer	300T		2	
			8	M5 steel washer	G36		2	
			9	Cap screw M3x50 for carburetor	G36		2	
				Throttle lever	50	88B	1	
	Intake velocity stack	G61TS	93	1				
50	88B	Throttle lever		Throttle lever	50		1	
G61TS	93	Air funnel		Intake velocity stack	G61TS		1	
G84R3	95	Engine mount set	1	Mount plate	G84R3		1	
			2	Mount spacer	G84R3		4	13
			3	Cap screw M5x35 for engine mount	G84R3		4	
			4	Blind nut M5 for firewall	300T		4	
G57T	96	Tool set	1	Spanner for tappet adjusting screw	50		1	
			2	Tappet adjusting screw limit gauge (0.1t)	50		1	
			3	Hexagonal spanner (wrench) 3.0	120S		1	
			4	Hexagonal spanner (wrench) 2.5	50		1	
			5	Hexagonal spanner (wrench) 2.0	50		1	9
			6	Hexagonal spanner (wrench) 1.5	50		1	
			7	Choke bar	G57T		1	
			9	Plug wrench	G36		1	
			10	Bar for carburetor-adjustment	G57T		1	
			G84R3	99	Muffler bracket	1	Muffler bracket	G84R3
5	Cap screw M3x8 for muffler bracket	G84R3					2	
7	Nut M3 for muffler bracket	G84R3					2	
300T	110	Anti loosening nut		Anti loosening nut	300T		1	
G36	120	Spark plug		NGK-CM-6	G36		3	
G90R3	128	Heat sink		Heat sink	G90R3		3	
450R3D	129	Lubrication adopter		Lubrication adopter	450R3D		1	
G36	152	Screw-pin		Screw-pin for drive flange setting	G36		1	
G84R3	153	Electronic ignition system	1A	Main unit	G84R3		1	
			2A	Sensor	G84R3		1	6
			3	Cap screw M3x10 (coating) for sensor	G14B		2	
			4	M3 steel washer	G36		2	

Revised : October 5, 2016: G90R307->G61TS07