

# General Information

## Table of Contents

Before Servicing .....	1-2
Model Identification .....	1-4
General Specifications .....	1-6
Periodic Maintenance Chart .....	1-8
Technical Information – KLEEN (KAWASAKI LOW EXHAUST EMISSION) .....	1-10
Technical Information – Non-Contact Hall IC-Type Speed Sensor .....	1-17
Details:.....	1-17
Construction & Operation:.....	1-17
Speed Sensor Inspection .....	1-18
Technical Information – Alternator made from Rare Magnet .....	1-18
Rare Magnet Material:.....	1-18
Main Characters:.....	1-18
Torque and Locking Agent .....	1-19
Special Tools and Sealant .....	1-23
Cable, Wire, and Hose Routing .....	1-29

## 1-4 GENERAL INFORMATION

---

### Model Identification

---

ZX600-G1 Left Side View:



ZX600-G1 Right Side View:



ZX600-H1 Left Side View:



ZX600-H1 Right Side View:



# 1-6 GENERAL INFORMATION

## General Specifications

Items	ZX600-G1	H1	
<b>Dimensions:</b>			
Overall length	2 025 mm, (FG)(GR)(NR)(SW) 2 055 mm	2 055 mm	
Overall width	715 mm	←	
Overall height	1 160 mm	←	
Wheelbase	1 400 mm	←	
Road clearance	140 mm	←	
Seat height	815 mm	←	
Dry mass	176 kg, (CA) 178 kg	177 kg	
Curb mass: Front	103 kg	←	
Rear	97 kg, (CA) 99 kg	98 kg	
Fuel tank capacity	18.0 L	←	
<b>Performance:</b>			
Minimum turning radius	3.2 m	←	
<b>Engine:</b>			
Type	4-stroke, DOHC, 4-cylinder	←	
Cooling system	Liquid-cooled	←	
Bore and stroke	66.0 x 43.8 mm	←	
Displacement	599 mL	←	
Compression ratio	11.8	←	
Maximum horsepower	79.4 kW (108 PS) @12 000 r/min (rpm), (AS) 78.4 kW (106.6 PS) @12 000 r/min (rpm), (FG) 72 kW (98 PS) @12 000 r/min (rpm), (FR) 78.2 kW (106.3 PS) @12 000 r/min (rpm) (UTAC's norm), (SW) 43 kW (58.5 PS) @10 500 r/min (rpm), (CN)(ML) 78.7 kW (107 PS) @12 000 r/min (rpm), (US) ---	(FG) 72 kW (98 PS) @12 000 r/min (rpm) (ST) 78.7 kW (107 PS) @12 000 r/min (rpm)	
Maximum torque	65.7 N-m(6.7 kg-m, 48 ft-lb) @10 000 r/min (rpm), (AS) 64.7 N-m (6.6 kg-m, 48 ft-lb) @9 000 r/min (rpm), (FG) 62 N-m (6.3 kg-m, 46 ft-lb) @10 000 r/min (rpm), (SW) 51 N-m (5.2 kg-m, 38 ft-lb) @6 000 r/min (rpm), (CN)(ML) 65 N-m (6.63 kg-m, 48 ft-lb) @10 000 r/min (rpm) (FR)(UK)(US) ---	(FG) 62 N-m (6.3 kg-m, 46 ft-lb) @6 000 r/min (rpm) (ST) 65 N-m (6.63 kg-m, 48 ft-lb) @10 000 r/min (rpm)	
Carburetion system	Carburetors, Mikuni BDSR 36R x 4	←	
Starting system	Electric starter	←	
Ignition system	Battery and coil (transistorized)	←	
Timing advance	Electronically advanced(digital igniter)	←	
Ignition timing	From 12.5° BTDC @1 300 r/min (rpm) to 35° BTDC @5 000 r/min (rpm)	←	
Spark plug	NGK CR9E or ND U27ESR-N	←	
Cylinder numbering method	Left to right, 1-2-3-4	←	
Firing order	1-2-4-3	←	
Valve timing:			
Inlet	Open	58° BTDC	←
	Close	78° ABDC	←
	Duration	316°	←
Exhaust	Open	66° BBDC	←
	Close	46° ATDC	←
	Duration	292°	←

Items	ZX600-G1	H1
Lubrication system	Forced lubrication (wet sump with cooler)	←
Engine oil:		
Grade	SE, SF or SG class	←
Viscosity	SAE10W-40, 10W-50, 20W-40, or 20W-50	←
Capacity	4.0 L	←
<b>Drive Train:</b>		
Primary reduction system:		
Type	Gear	←
Reduction ratio	2.022 (89/44)	←
Clutch type	Wet multi disc	←
Transmission:		
Type	6-speed, constant mesh, return shift	←
Gear ratios:		
1st	2.923 (38/13)	←
2nd	2.062 (33/16)	←
3rd	1.631 (31/19)	←
4th	1.380 (29/21)	←
5th	1.217 (28/23)	←
6th	1.083 (26/24)	←
Final drive system:		
Type	Chain drive	←
Reduction ratio	2.666 (40/15)	←
Overall drive ratio	5.843 @Top gear	←
<b>Frame:</b>		
Type	Tubular, diamond	←
Caster (rake angle)	23.5°	←
Trail	91 mm	←
Front tire: Type	Tubeless	←
Size	120/60 ZR17 (55W)	←
Rear tire: Type	Tubeless	←
Size	170/60 ZR17 (72W)	←
Front suspension:		
Type	Telescopic fork	←
Wheel travel	120 mm	←
Rear suspension:		
Type	Swingarm (uni-trak)	←
Wheel travel	135 mm	←
Brake type: Front	Dual disc	←
Rear	Single disc	←
<b>Electrical Equipment:</b>		
Battery	12 V 8 Ah	←
Headlight: Type	Semi-sealed beam	←
Bulb	12V60/55W (quartz-halogen),	←
Tail/brake light	12 V 5/21 W × 2, (CN)(US)(ML) 12 V 8/27 W × 2	12 V 5/21 W × 2
Alternator: Type	Three-phase AC	←
Rated output	20 A/ 14 V @5 000 r/min (rpm)	←

Specifications are subject to change without notice, and may not apply to every country.

(AS) : Australian Model  
 (CA) : California Model  
 (CN) : Canadian Model  
 (FG) : German Model  
 (FR) : French Model  
 (GR) : Greek Model

(KR) : Korean Model  
 (ML) : Malaysian Model  
 (NR) : Norwegian Model  
 (SW) : Swedish Model  
 (US) : U.S.A. Model  
 (UK) : U.K. Model