# **Quick Reference Guide**

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This quick reference guide will assist you in locating a desired topic or procedure.

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### 1-8 GENERAL INFORMATION

### Model Identification

### ZX636-B1 (Ninja ZX-6R) Left Side View:



ZX636-B1 (Ninja ZX-6R) Right Side View:



## Model Identification

### ZX600-K1 (Ninja ZX-6RR) Left Side View:



ZX600-K1 (Ninja ZX-6RR) Right Side View:



## 1-10 GENERAL INFORMATION

	Items	ZX636-B1 (Ninja ZX-6R)
Dimensions:		
Overall length		2 025 mm (79.7 in.)
Overall width		720 mm (28.3 in.)
Overall height		1 100 mm (43.3 in.)
Wheelbase		1 400 mm (55.1 in.)
Road clearand	ce	130 mm (5.1 in.)
Seat height		825 mm (32.4 in.)
Dry mass		161 kg (1579 N, 355 lb)
Curb mass:	Front	95 kg (932 N, 209 lb)
	Rear	93 kg (912 N, 205 lb)
Fuel tank cap	acity	18 L (4.76 US gal)
Performance:		
Minimum turn	ing radius	3.3 m (10.8 ft)
Engine:		
Туре		4-stroke, DOHC, 4-cylinder
Cooling system		Liquid-cooled
Bore and stroke		68.0 x 43.8 mm (2.6 x 1.7 in.)
Displacement		636 mL (38.8 cu in.)
Compression ratio		12.8
Maximum horsepower		87.0 kW (118 PS) @13 000 r/min (rpm),
		(AU) 84.2 kW (114 PS) @12 000 r/min (rpm),
		(FR) 78.2 kW (106 PS) @12 500 r/min (rpm),
		(US), (CAL), (CA)
Maximum toro	que	67.0 N·m (6.8 kgf·m, 49 ft·lb) @11 000 r/min (rpm),
		(US), (CAL), (CA), (FR)
Carburetion s	ystem	FI (Fuel Injection), KEIHIN TTK-38 × 4
Starting syste	m	Electric starter
Ignition system		Battery and coil (transistorized)
Timing advance		Electronically advanced (digital igniter in ECU)
Ignition timing		From 12.5° BTDC @1 300 r/min (rpm)
		to 35° BTDC @4 600 r/min (rpm)
Spark plug		NGK CR9E
Cylinder numbering method		Left to right, 1-2-3-4
Firing order		1-2-4-3
Valve timing:		
Inlet	Open	58° BTDC
	Close	82° ABDC
	Duration	320°
Exhaust	Open	62° BBDC
	Close	34° ATDC
	Duration	276°
Lubrication sy	stem	Forced lubrication (wet sump with cooler)

ZX636-B1 (Ninja ZX-6R)  API SE, SF or SG API SH or SJ with JASO MA SAE10W-40 4.0 L (4.2 US qt)  Gear 2.022 (89/44) Wet multi disc  6-speed, constant mesh, return shift  2.923 (38/13) 2.055 (37/18) 1.722 (31/18)
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6-speed, constant mesh, return shift 2.923 (38/13) 2.055 (37/18)
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2.923 (38/13) 2.055 (37/18)
2.055 (37/18)
2.055 (37/18)
2.055 (37/18)
1.722 (31/18)
1.450 (29/20)
1.272 (28/22)
1.153 (30/26)
Chain drive
2.666 (40/15)
6.223 @Top gear
Tubular, diamond
24.5°
95 mm (3.7 in.)
Tubeless
120/65 ZR17 M/C (56W)
Tubeless
180/55 ZR17 M/C (73W)
Telescopic fork (upside-down)
120 mm (4.7 in.)
Swingarm (uni-trak)
135 mm (5.3 in.)
Dual discs
Single disc
12 V 8 Ah

#### 1-12 GENERAL INFORMATION

### **General Specifications**

Items		ZX636-B1 (Ninja ZX-6R)	
Headlight:			
Туре		Semi-sealed beam	
Bulb	Hi	12 V 55 W (quartz-halogen) × 2	
	Lo	12 V 55 W (quartz-halogen)	
Tail/brake ligh	t	12 V 0.5/3.8 W (LED)	
		(US), (CAL), (CA) 12 V 0.5/5 W (LED)	
Alternator:	Туре	Three-phase AC	
	Rated output	22.5 A / 14 V @5 000 r/min (rpm)	

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

(US): United States Model

(CAL): California Model

(CA): Canada Model

(AU): Australia Model

(FR): France Model

Items	ZX600-K1 (Ninja ZX-6RR)
Dimensions:	
Overall length	2 025 mm (79.7 in.)
Overall width	720 mm (28.3 in.)
Overall height	1 100 mm (43.3 in.)
Wheelbase	1 400 mm (55.1 in.)
Road clearance	130 mm (5.1 in.)
Seat height	825 mm (32.4 in.)
Dry mass	161 kg (1579 N, 355 lb)
Curb mass: Front	95 kg (932 N, 209 lb)
Rear	93 kg (912 N, 205 lb)
Fuel tank capacity	18 L (4.76 US gal)
Performance:	( ) ( )
Minimum turning radius	3.3 m (10.8 ft)
Engine:	
Туре	4-stroke, DOHC, 4-cylinder
Cooling system	Liquid-cooled
Bore and stroke	67.0 x 42.5 mm (2.6 x 1.7 in.)
Displacement	599 mL (36.6 cu in.)
Compression ratio	13.0
Maximum horsepower	83.1 kW (113 PS) @13 200 r/min (rpm),
	(FR) 78.2 kW (106 PS) @13 000 r/min (rpm),
	(US), (CAL), (CA)
Maximum torque	64.4 N·m (6.6 kgf·m, 47.5 ft·lb) @12 000 r/min (rpm),
	(US), (CAL), (CA), (FR)
Carburetion system	FI (Fuel Injection), KEIHIN TTK-38 × 4
Starting system	Electric starter
Ignition system	Battery and coil (transistorized)
Timing advance	Electronically advanced (digital igniter in ECU)
Ignition timing	From 12.5° BTDC @1 300 r/min (rpm)
-3	to 35° BTDC @4 600 r/min (rpm)
Spark plug	NGK CR9E
Cylinder numbering method	Left to right, 1-2-3-4
Firing order	1-2-4-3
Valve timing:	
Inlet Open	55° BTDC
Close	85° ABDC
Duration	320°
Exhaust Open	62° BBDC
Close	34° ATDC
Duration	276°
Duration	-10

## 1-14 GENERAL INFORMATION

Items	ZX600-K1 (Ninja ZX-6RR)	
	API SE, SF or SG	
	API SH or SJ with JASO MA	
	SAE10W-40	
	4.0 L (4.2 US qt)	
tion system:		
	Gear	
ntio	2.022 (89/44)	
	Wet multi disc	
	6-speed, constant mesh, return shift	
1st	2.923 (38/13)	
2nd	2.055 (37/18)	
3rd	1.722 (31/18)	
4th	1.450 (29/20)	
5th	1.272 (28/22)	
6th	1.153 (30/26)	
tem:		
	Chain drive	
tio	2.666 (40/15)	
ratio	6.223 @Top gear	
	Tubular, diamond	
ngle)	24.5°	
	95 mm (3.7 in.)	
Туре	Tubeless	
Size	120/65 ZR17 M/C (56W)	
Туре	Tubeless	
Size	180/55 ZR17 M/C (73W)	
on:		
Type	Telescopic fork (upside-down)	
Wheel travel	120 mm (4.7 in.)	
on:		
Туре	Swingarm (uni-trak)	
Wheel travel	135 mm (5.3 in.)	
Front	Dual discs	
Rear	Single disc	
ment:		
	12 V 8 Ah	
	tion system:  atio  1st 2nd 3rd 4th 5th 6th tem:  atio  Type Size Type Size Type Size ion: Type Wheel travel on: Type Wheel travel Front	

## **General Specifications**

	Items	ZX600-K1 (Ninja ZX-6RR)
Headlight:		
Туре		Semi-sealed beam
Bulb	Hi	12 V 55 W (quartz-halogen) × 2
	Lo	12 V 55 W (quartz-halogen)
Tail/brake ligh	t	12 V 0.5/3.8 W (LED)
		(US), (CAL), (CA) 12 V 0.5/5 W (LED)
Alternator:	Туре	Three-phase AC
	Rated output	22.5 A / 14 V @5 000 r/min (rpm)

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

(US): United States Model

(CAL): California Model (CA): Canada Model

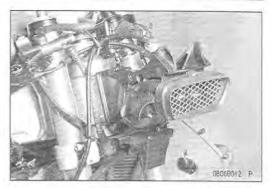
(FR): France Model

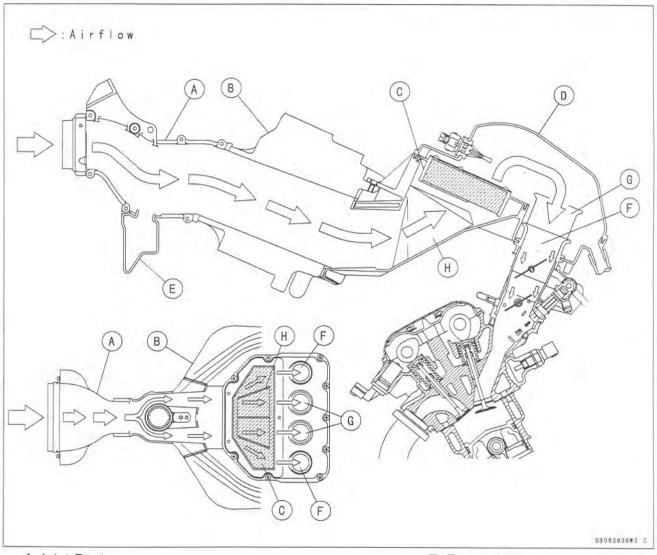
#### 1-16 GENERAL INFORMATION

### Technical Information - Air Inlet System

#### Center Ram Air Inlet

The ram air duct was moved from both left and right side to center of the fairing so that incoming air has a straighter path to the airbox, increasing ram air efficiency. The duct was also designed to maintain optimum airflow despite extreme changes in bike attitude, such as during hard acceleration, braking, and cornering. With fewer parts and the duct also acting as the instrument, the new system also cuts weight.





- A. Inlet Duct
- B. Frame
- C. Air Cleaner Element
- D. Air Cleaner Housing

- E. Resonator
- F. Air Duct #1, 4 (Short)
- G. Air Duct #2, 3 (Long)
- H. Guide Vane