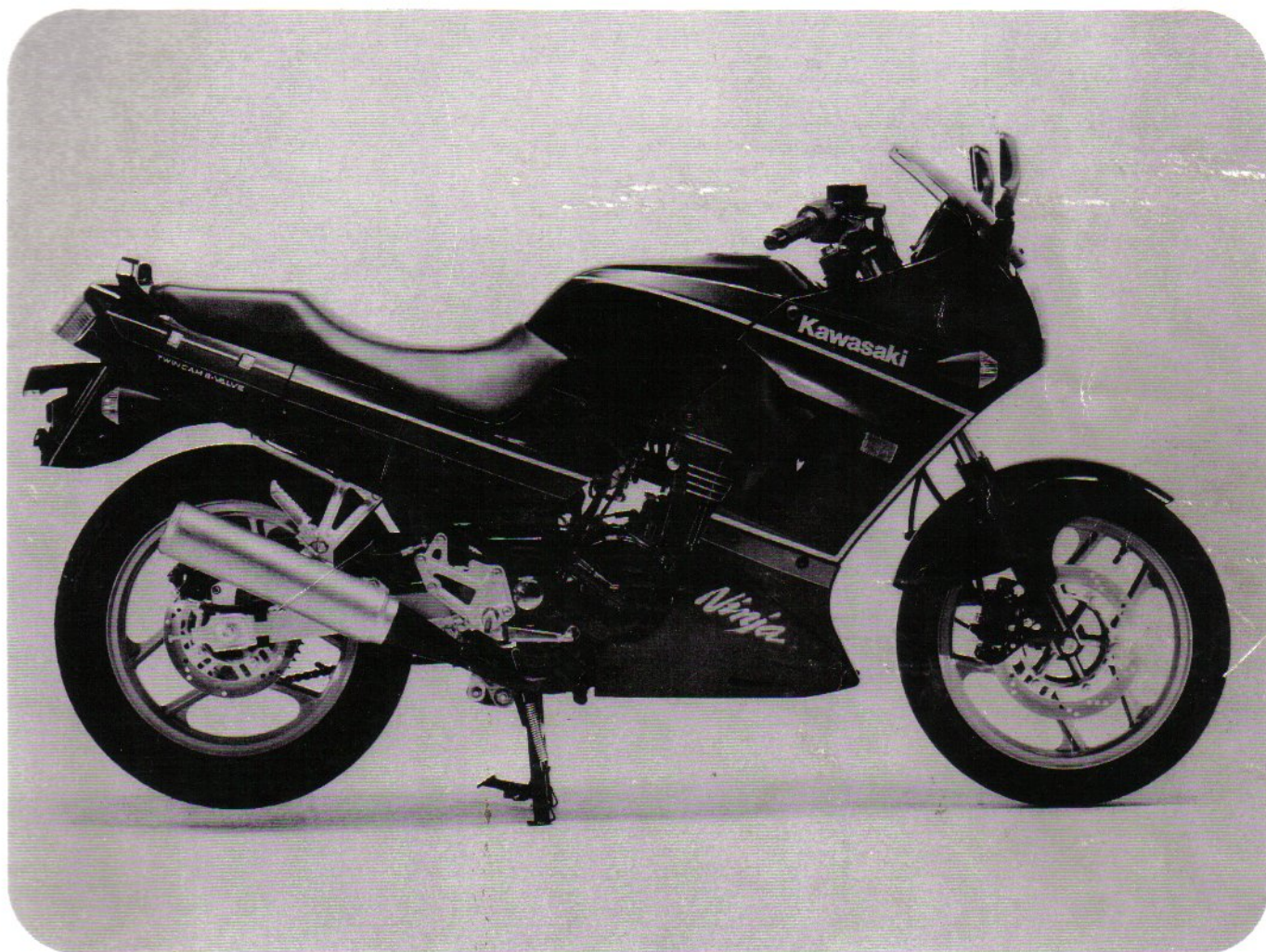


Kawasaki

Ninja250R
GPX250R



Covers 1988 - 2005
EX250 - F2 to EX250 - F19

Motorcycle Service Manual Supplement

Use with 1986 - 1987 Manual

MODEL APPLICATION

Year	Model	Beginning Frame No.
1988	EX250-F2	JKAEXMF1□JA000001, or JKAEXMF1□JA008946, or EX250-F000001, or × EX250F-008946
1989	EX250-F3	JKAEXMF1□KA004604, or JKAEXMF1□JA009501, or EX250-F004601, or EX250F-009501
1990	EX250-F4	JKAEXMF1□LA014001
1992	EX250-F6	JKAEXMF1□NA021701, or EX250F-021701
1993	EX250-F7	JKAEXMF1□PA030001
1994	EX250-F8	JKAEXMF1□RA038001, or EX250F-038001
1995	EX250-F9	JKAEXMF1□SA044001, or EX250F-044001
1996	EX250-F10	JKAEXMF1□TA049001, or EX250F-049001
1997	EX250-F11	JKAEXMF1□VA052001, or EX250F-052001
2000	EX250-F14	JKAEXMF1□YA069001
2001	EX250-F15	JKAEXMF1□1A077001
2002	EX250-F16	JKAEXMF1□2A086001
2003	EX250-F17	JKAEXMF1□3A096001
2004	EX250-F18	JKAEXMF1□4DA00001
2005	EX250-F19	JKAEXMF1□5DA10001

□: This digit in the frame number changes from one machine to another.



KAWASAKI HEAVY INDUSTRIES, LTD.
Consumer Products & Machinery Company

Part No.99924-1109-63

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Engine Lubrication System	6
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This quick reference guide will assist you in locating a desired topic or procedure.

- Bend the pages back to match the black tab of the desired chapter number with the black tab on the edge at each table of contents page.
- Refer to the sectional table of contents for the exact pages to locate the specific topic required.



Kawasaki

**Ninja250
GPX250R**

Motorcycle Service Manual Supplement

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No liability can be accepted for any inaccuracies or omissions in this publication, although every possible care has been taken to make it as complete and accurate as possible.

The right is reserved to make changes at any time without prior notice and without incurring an obligation to make such changes to products manufactured previously. See your Motorcycle dealer for the latest information on product improvements incorporated after this publication.

All information contained in this publication is based on the latest product information available at the time of publication. Illustrations and photographs in this publication are intended for reference use only and may not depict actual model component parts.

General Information

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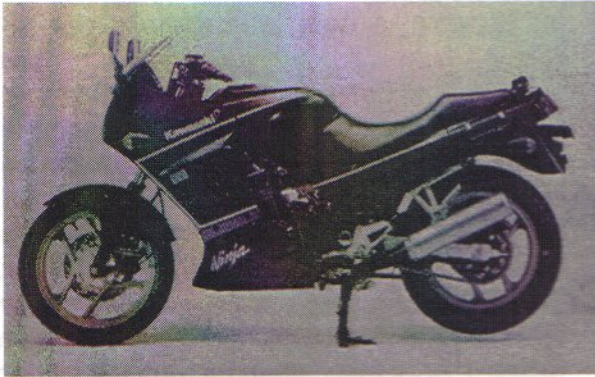
Before Servicing	*
Model Identification	1-2
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Torque and Locking Agent	1-11
Periodic Maintenance Chart	1-15

* : Base Manual See base manual for information 1986-1987

1-2 GENERAL INFORMATION

.....
Model Identifications
.....

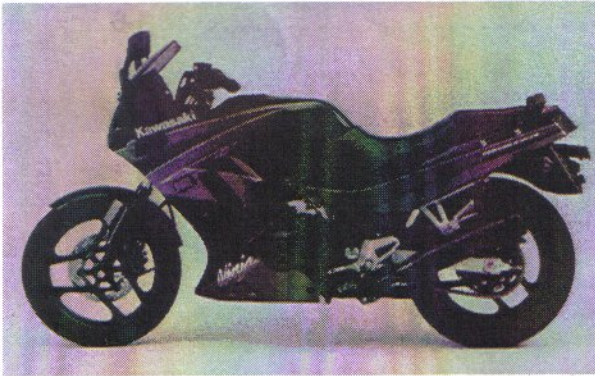
EX250-F2, F3, F4 (US Model)



EX250-F6



EX250-F7, F8, F9, F10



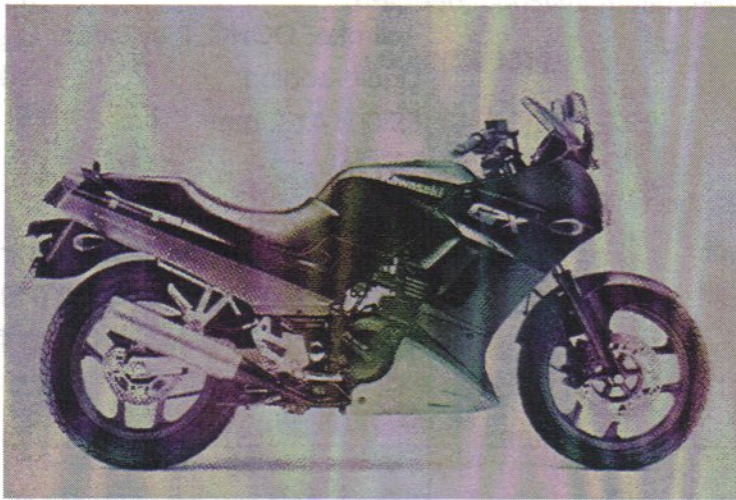
EX250-F11



EX250-F2, F3, F4 (European or General Models)



EX250-F6



EX250-F7, F8, F9



1-4 GENERAL INFORMATION

General Specifications

Items	EX250-F2, F3, F4, F6, F7, F8, F9, F10, F11	
Dimensions:		
Overall length		2 035 mm
Overall width		710 mm
Overall height		1 095 mm
Wheelbase		1 400 mm
Road clearance		155 mm
Seat height		745 mm
Dry weight		138 kg, (CA) 138.5 kg
Curb weight:	Front	76 kg
	Rear	85 kg, (CA) 85.5 kg
Fuel tank capacity		18.0 L
Performance:		
Minimum turning radius		2.8 m
Engine:		
Type		4-stroke, DOHC, 2-cylinder
Cooling system		Liquid-cooled
Bore and stroke		62.0 × 41.2 mm
Displacement		248 mL
Compression ratio		12.4
Maximum horsepower		27.9 kW (38 PS) @ 11 000 r/min (rpm), (US) –, (AS) 27.9 kW (38 PS) @ 12 000 r/min (rpm)
Maximum torque		24.5 N·m (2.5 kgf·m, 18.1 ft·lb) @ 10 000 r/min (rpm), (US) –
Carburetion system		Caburetors, Keihin CVK30 × 2
Starting system		Electric starter
Ignition system		Battery and coil (transistorized)
Timing advance		Electronically advance
Ignition timing		From 10°BTDC @ 1 300 r/min (rpm) to 42°BTDC @ 4 500 r/min (rpm), (CA) From 5°BTDC @ 1 300 r/min (rpm) to 42°BTDC @ 4 500 r/min (rpm)
Spark plug	STD	NGK C8HA or ND U24FS-L, (C)(B)(E) NGK CR8HSA or ND 24FS-U
	Option	NGK CR7HS or ND 22FS-L, (C)(B)(E) NGK CR7HSA or ND U22FS-U
Cylinder numbering method		Left to right, 1-2

(Continued on next page.)

GENERAL INFORMATION 1-5

Items	EX250-F2, F3, F4, F6	EX250-F7, F8, F9, F10, F11	
Firing order	1-2		
Valve timing: Inlet Open	30° BTDC	26° BTDC	
	Close	66° ABDC	
	Duration	272°	
	Exhaust Open	70° BBDC	66° BBDC
		Close	26° ATDC
		Duration	272°
Lubrication system	Forced lubrication (wet sump)		
Engine oil: Grade	SE or SF class		
	Viscosity		
	Capacity		
1.9 l			
Drive Train:			
Primary reduction system:	Type	Gear	
	Reduction ratio	3.806 (71/23)	
Clutch type	Wet multi disc		
Transmission: Type	6-speed, constant mesh, return shift		
	Gear ratio:	1st	2.600 (39/15)
		2nd	1.789 (34/19)
		3rd	1.409 (31/22)
		4th	1.160 (29/25)
		5th	1.000 (27/27)
		6th	0.892 (25/28)
Final drive system:	Type	Chain drive	
	Reduction ratio	3.214 (45/14)	
	Overall drive ratio	8.859 @ Top gear	
Frame			
Type	Tubular, diamond		
Caster (rake angle)	27°		
Trail	83 mm		
Front tire:	Type	Tubeless	
	Size	100/80-16 50S	
Rear tire:	Type	Tubeless	
	Size	130/80-16 64S	
Front suspension:	Type	Telescopic fork	
	Wheel travel	140 mm	
Rear suspension:	Type	Swing arm (Uni-Trak)	
	Wheel travel	130 mm	
Brake type:	Front	Single disc	
	Rear	Single disc	

*New Dunlop Arrowway
GT301
130/80/16
6mm tread depth*

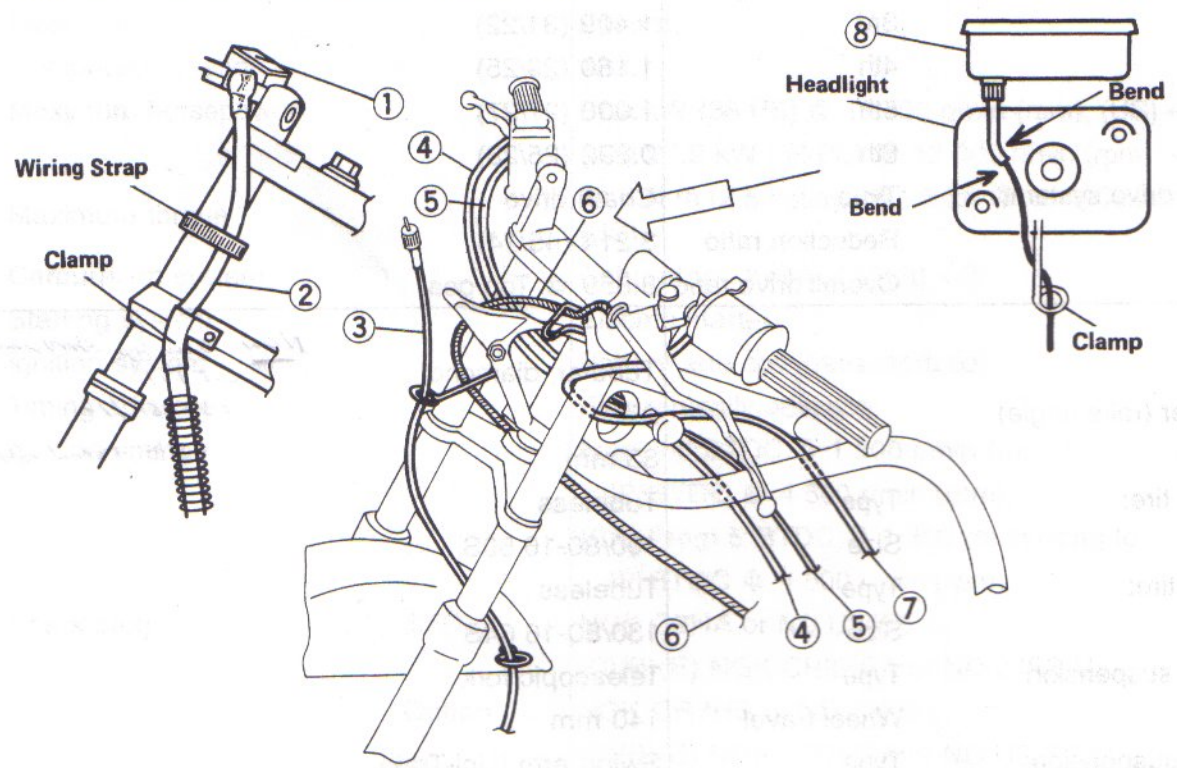
(Continued on next page.)

Items		EX250-F2, F3, F4, F6, F7, F8, F9, F10, F11
Electrical Equipment		
Battery		EX250-F2 - F8: 12 V 8Ah, EX250-F9: 12 V 6Ah
Headlight:	Type	Semi-sealed beam
	Bulb	12 V 60/55 W (quartz-halogen)
Tail/brake light		12 V 8/27 W × 2, (A)(B)(E) 12 V 5/21 W × 2
Alternator:	Type	Three-phase AC
	Rated output	17A @ 10 000 r/min (rpm), 14V

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

- (A) Australia Model
- (B): UK Model
- (CA): California Model
- (E): European Model
- (US): U.S Model

Wiring, Cable, or Hose Routing



- 1. Front Brake Fluid Reservoir
- 2. Brake Hose
- 3. Speedometer Cable
- 4. Throttle Cable (Decelerator)
- 5. Throttle Cable (Accelerator)
- 6. Clutch Cable
- 7. Choke Cable
- 8. Meter Unit