



# HONDA

## Z50R

### HOW TO USE THIS MANUAL

Sections 1 through 3 apply to the whole motorcycle, while sections 4 through 14 describe parts of the motorcycle, grouped according to location.

Find the section you want on this page, then turn to the table of contents on page 1 of that section.

Most sections start with an assembly or system illustration, service information and troubleshooting for the section.

The subsequent pages give detailed procedures for the section.

If you don't know what the trouble is, go to section 15, TROUBLESHOOTING.

This shop manual is based on the 1979 Z50R. Subsequent year models service procedures and data are given with addendums, beginning with section 16.

ALL INFORMATION AND ILLUSTRATIONS INCLUDED IN THIS PUBLICATION ARE BASED ON THE LATEST PRODUCT INFORMATION AVAILABLE AT THE TIME OF APPROVAL FOR PRINTING. HONDA MOTOR CO., LTD. RESERVES THE RIGHT TO MAKE CHANGES AT ANY TIME WITHOUT NOTICE AND WITHOUT INCURRING ANY OBLIGATION WHATEVER.

NO PART OF THIS PUBLICATION MAY BE REPRODUCED WITHOUT WRITTEN PERMISSION.

HONDA MOTOR CO., LTD.  
SERVICE PUBLICATIONS OFFICE

## CONTENTS

	GENERAL INFORMATION	1
	LUBRICATION	2
	INSPECTION AND ADJUSTMENT	3
ENGINE	FUEL SYSTEM	4
	ENGINE REMOVAL & INSTALLATION	5
	CYLINDER HEAD/VALVE	6
	CYLINDER/PISTON	7
	CLUTCH/GEARSHIFT SPINDLE	8
	AC GENERATOR	9
	TRANSMISSION/CRANKSHAFT	10
CHASSIS	FRONT WHEEL/BRAKE/SUSPENSION	11
	REAR WHEEL/BRAKE/SUSPENSION	12
	SEAT & FUEL TANK	13
	IGNITION SYSTEM	14
	TROUBLESHOOTING	15
	'80-'81 ADDENDUM	16
	'82 ADDENDUM	17

CLICK HERE TO **DOWNLOAD** THE COMPLETE MANUAL

- Thank you very much for reading the preview of the manual.
- You can download the complete manual from: [www.heydownloads.com](http://www.heydownloads.com) by clicking the link below



- Please note: If there is no response to CLICKING the link, please download this PDF first and then click on it.

CLICK HERE TO **DOWNLOAD** THE COMPLETE MANUAL



**HONDA**  
**Z50R**

---

M E M O



SERVICE INFORMATION	3-1	CARBURETOR IDLE SPEED	3-5
《ENGINE》		CLUTCH	3-5
SPARK PLUG	3-2	《CHASSIS》	
CONTACT BREAKER POINT/ IGNITION TIMING	3-2	AIR CLEANER	3-6
VALVE CLEARANCE	3-3	FRONT BRAKE	3-6
CAM CHAIN TENSION	3-4	REAR BRAKE	3-7
THROTTLE OPERATION	3-4	DRIVE CHAIN	3-8
CARBURETOR IDLE MIXTURE	3-5	SPARK ARRESTER	3-8



**SERVICE INFORMATION**

SPECIFICATIONS

Spark plug gap		0.6-0.7 mm (0.024-0.028 in)
Spark plug type	USA type	NGK: C6H ND: U20FS
	Canada type	NGK: CR6HS ND: U20FSR-L
Valve clearance	IN	0.05 mm (0.002 in)
	EX	0.05 mm (0.002 in)
Contact breaker point gap		0.3-0.4 mm (0.012-0.016 in)
Throttle free play		2-6 mm (1/8-1/4 in)
Idle speed		1,500 ± 100 rpm
Drive chain free play		15-25 mm (5/8-1 in)
Front brake free play		10-20 mm (3/8-3/4 in)
Rear brake free play		10-20 mm (3/8-3/4 in)

Tire pressure:		
Cold tire pressure kg/cm <sup>2</sup> (psi)	Front	1.0 (14)
	Rear	1.0 (14)
Tire size	Front	3.50-8-2PR
	Rear	3.50-8-2PR

TORQUE VALUES

Valve adjusting hole cap	1.0-1.4 kg-m (7-10 ft-lb)
Valve adjusting screw lock nut	0.7-1.1 kg-m (5-8 ft-lb)
Oil drain plug	2.0-2.5 kg-m (15-18 ft-lb)
Rear axle nut	3.5-5.0 kg-m (25-36 ft-lb)



**HONDA**  
Z50R

# 4. FUEL SYSTEM

SERVICE INFORMATION

4-1

TROUBLESHOOTING

4-1

CARBURETOR ASSEMBLY/DISASSEMBLY

4-2

FLOAT LEVEL

4-2

## SERVICE INFORMATION

### GENERAL INFORMATION

**WARNING**

*Gasoline is extremely flammable and is explosive under certain conditions.  
Do not smoke or allow flames or sparks in your working area.*

When disassembling fuel system parts, note the locations of the O-rings. Replace them with new ones on reassembly.  
The float bowls have drain plugs that can be loosened to drain residual gasoline.

### SPECIFICATIONS

Fuel  
Fuel tank capacity  
Carburetor type  
Venturi dia  
Setting mark  
Main jet  
Float level  
Idle speed

Any gasoline with 91 RON or higher  
4.5 lit (1.19 US gal, 0.99 Imp gal)  
Piston valve  
11mm (0.43 in)  
PA03B **A**  
#60  
12.7 mm (0.50 in)  
1,500±100 rpm

### SPECIAL TOOL

Float Level Gauge

72401-0010000

## TROUBLESHOOTING

Engine cranks but won't start

- 1 No fuel in tank
- 2 No fuel to cylinder
- 3 Too much fuel to cylinder
- 4 No spark at plug (ignition malfunction)
- 5 Air cleaner dirty

Engine idles rough, stalls, or runs poorly

- 1 Idle speed incorrect
- 2 Ignition malfunction
- 3 Low compression
- 4 Rich mixture
- 5 Lean mixture
- 6 Air cleaner dirty
- 7 Manifold air leak
- 8 Fuel contaminated

Lean mixture

- 1 Carburetor fuel jets clogged
- 2 Vacuum piston stuck closed
- 3 Fuel cap vent blocked
- 4 Fuel filter clogged
- 5 Fuel line kinked or restricted
- 6 Float valve faulty
- 7 Float level too low

Rich mixture

- 1 Choke stuck closed
- 2 Float valve faulty
- 3 Float level too high
- 4 Carburetor air jets clogged



**HONDA**  
**Z50R**

---

M E M O



**HONDA**  
**Z50R**

---

M E M O



# 11. FRONT WHEEL/BRAKE/ SUSPENSION

SERVICE INFORMATION	11-1
TROUBLESHOOTING	11-1
FRONT WHEEL/FRONT BRAKE	11-2
HANDLEBARS	11-2
STEERING STEM	11-3
FRONT FORKS	11-3

## SERVICE INFORMATION

### SPECIAL TOOLS

36 mm Pin Spanner	07902-0010000
Bearing Driver	07947-0450000
Ball Race Driver/Remover	07944-1150001
Driver Handle	07949-2860000

### SPECIFICATIONS

		STANDARD	SERVICE LIMIT
Axle shaft runout		—	0.20 mm (0.008 in)
Front wheel rim runout		—	0.5 mm (0.02 in)
Front wheel bearing free play	Radial	—	0.05 mm (0.002 in)
	Axial	—	0.10 mm (0.004 in)
Brake lining thickness		4.0 mm (0.16 in)	2.0 mm (0.08 in)
Brake drum I. D.		110 mm (4.33 in)	111 mm (4.37 in)

## TROUBLESHOOTING

### Hard steering

- 1 Steering stem nut too tight
- 1 Faulty steering stem nut
- 3 Damaged steering stem ball race and/or cone race
- 4 Insufficient tire pressure

### Front wheel wobble

- 1 Distorted rim
- 2 Worn front wheel bearing
- 3 Faulty tire
- 4 Axle not tightened properly

### Steers to one side or does not track straight

- 1 Unevenly adjusted right and left shock absorbers
- 2 Bent front forks
- 3 Bent front axle; wheel installed incorrectly

### Soft suspension

- 1 Weak fork springs

### Front suspension noise

- 1 Shock absorber case binding
- 2 Loose front shocks or springs



# 14.IGNITION SYSTEM

SERVICE INFORMATION	14-1
TROUBLESHOOTING	14-1
IGNITION COIL	14-2
CONDENSER	14-2

## SREVICE INFORMATION

### GENERAL INFORMATION

Be sure to connect each wire properly.  
Ensure that the contact breaker points are clean and in good condition.

### SPECIFICATION

Spark plug	USA model	NGK: C6HS    DENSO: U20FS
	Canada model	NGK: CR6HS    DENSO: U20FSR-L
	Plug gap	0.6-0.7 mm (0.024-0.028 in)
Ignition coil spark gap	6 mm (0.24 in) min	
Condenser capacity	0.27-0.33 $\mu$ F	
Contact breaker point gap	0.3-0.4 mm (0.012-0.016 in)	

## TROUBLESHOOTING

### Engine will not start

- 1 Engine stop switch OFF
- 2 No spark at plug
- 3 Improper ignition timing

### No spark at plugs

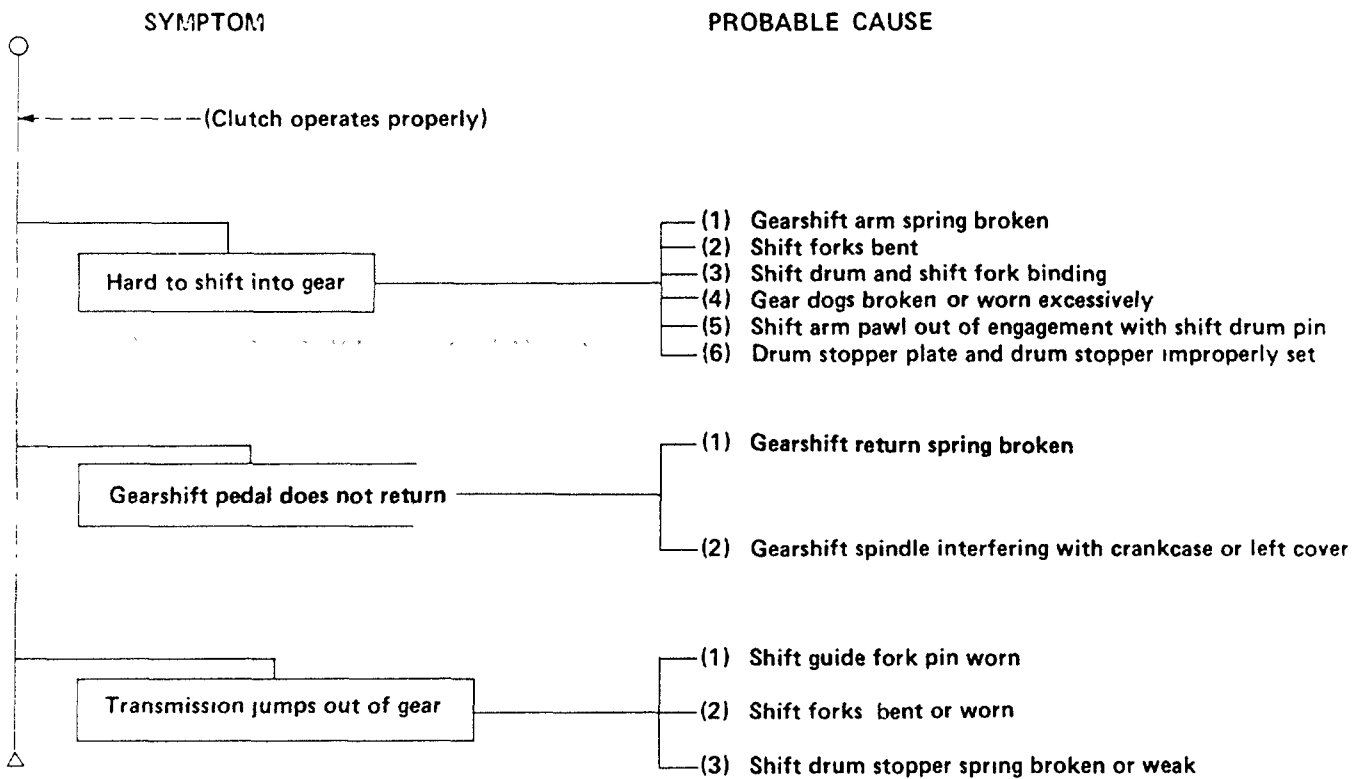
- 1 Engine stop switch OFF
- 2 Points not opening
- 3 Points burned, wet fouled or dirty
- 4 No primary current to points and coils
  - Loose or broken wire
  - Faulty engine stop switch
- 5 Plug fouled
- 6 Faulty plug wire
- 7 Coil weak or inoperative
- 8 Faulty condenser

### Engine starts but runs poorly

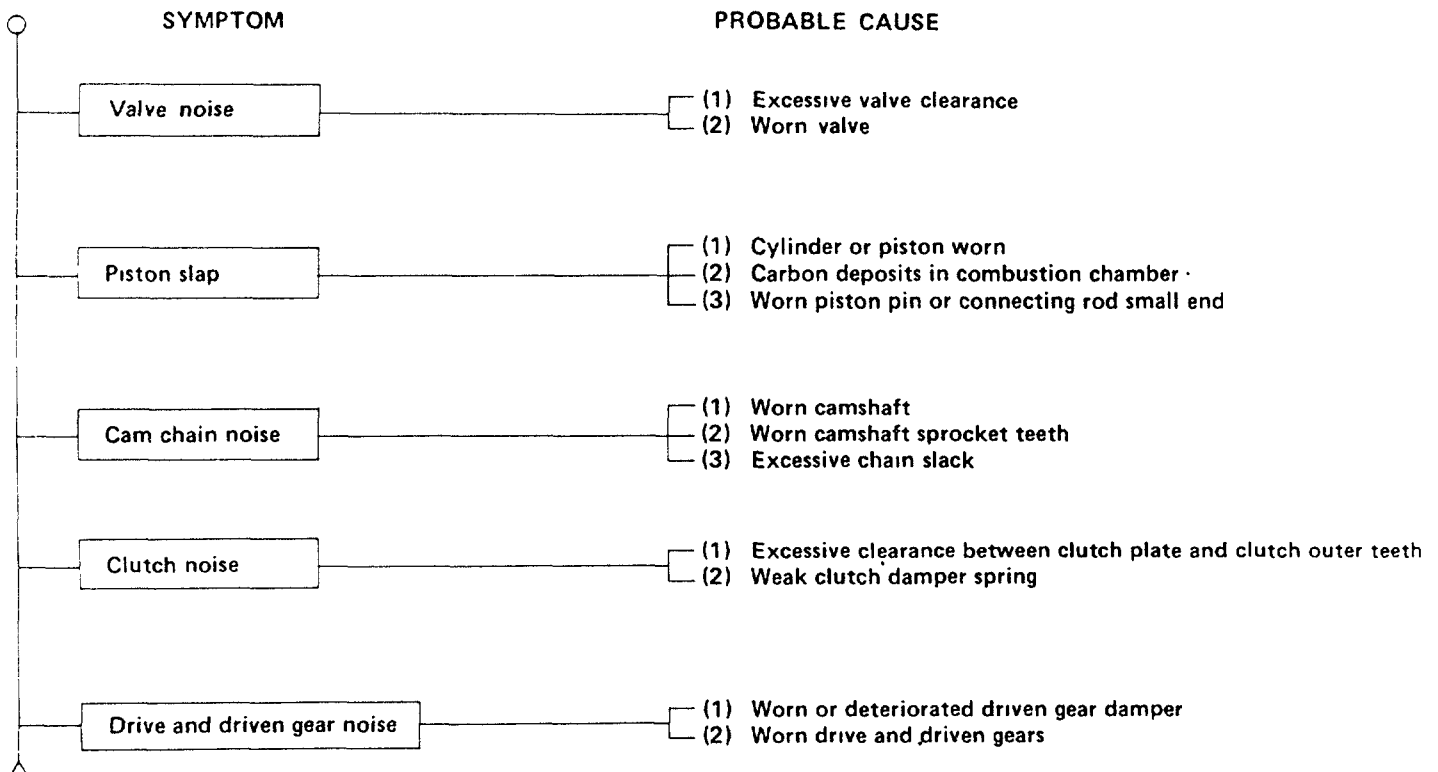
- 1 Ignition primary circuit
  - Points dirty or fouled
  - Incorrect point gap
  - Faulty coil
  - Faulty condenser
  - Loose wire connection
  - Intermittent short-circuit in switch
- 2 Ignition secondary circuit
  - Plug fouled or worn
  - Faulty plug wires
- 3 Ignition timing
  - Improper ignition timing



• **FAULTY TRANSMISSION OPERATION**



• **ENGINE NOISE**





**WHEEL / BRAKE**  
**SPECIFICATIONS**

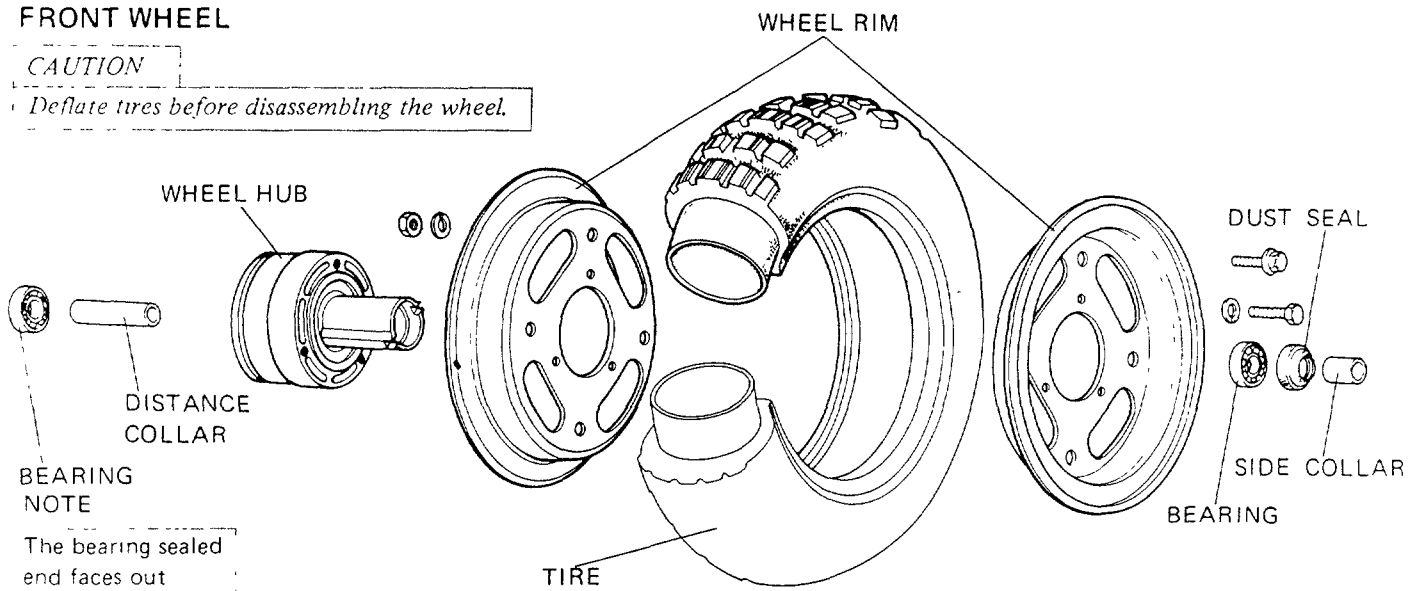
Item	STANDARD	SERVICE LIMIT
Brake lining thickness (front/rear)	3.5 mm (0.4 in)	2.0 mm (0.08 in)
Brake drum I.D (front/rear)	80.0 mm (3.15 in)	81.0 mm (3 19 in)

Front and rear axle nut torque ('81 model): 4.5-5.5kg-m(33-40ft-1b)

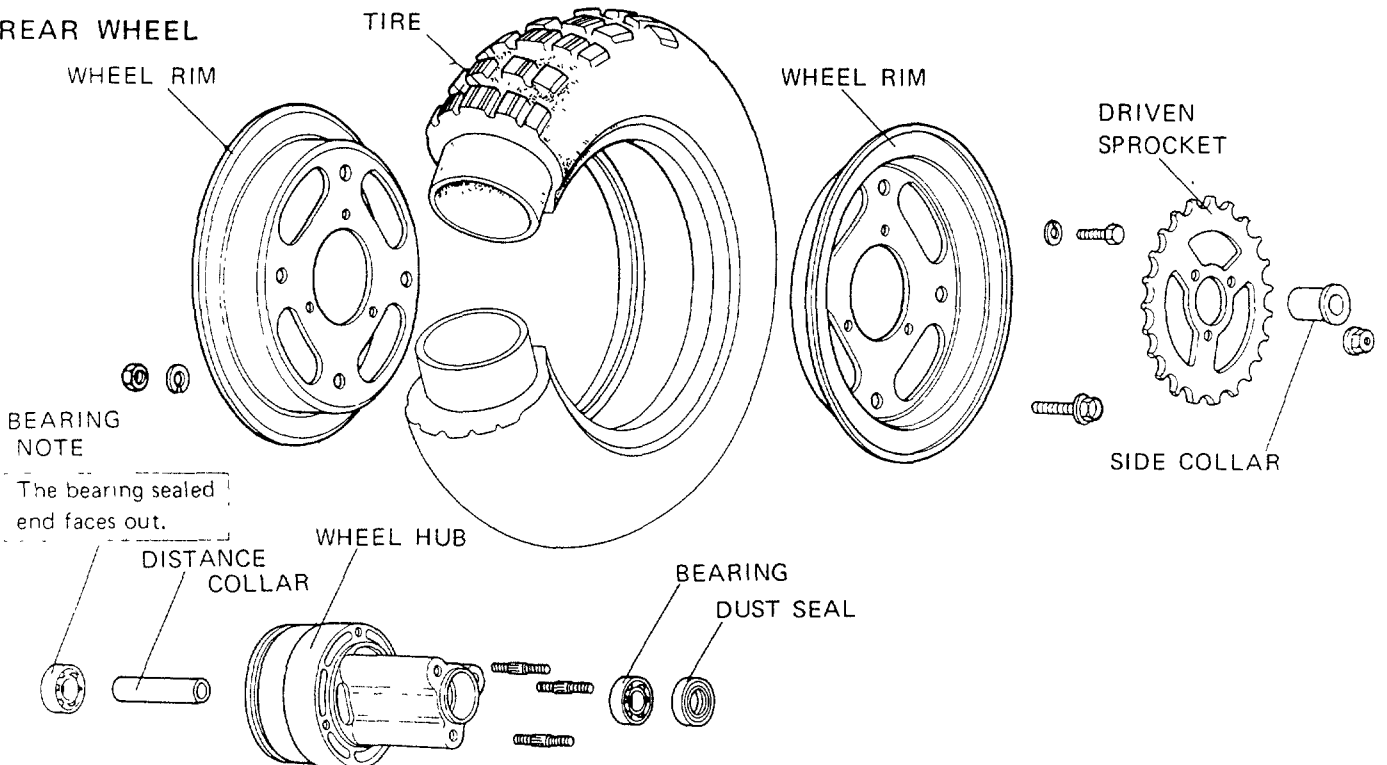
**FRONT WHEEL**

**CAUTION**

*Deflate tires before disassembling the wheel.*



**REAR WHEEL**



CLICK HERE TO **DOWNLOAD** THE COMPLETE MANUAL

- Thank you very much for reading the preview of the manual.
- You can download the complete manual from: [www.heydownloads.com](http://www.heydownloads.com) by clicking the link below



- Please note: If there is no response to CLICKING the link, please download this PDF first and then click on it.

CLICK HERE TO **DOWNLOAD** THE COMPLETE MANUAL