

# Service Bulletin

MOTORCYCLE	
ISSUE NO.	: M-4-0507
DATE	: Mar. 10, 2010
PAGE	: 1 OF 3

SUBJECT	: CORRECTION OF SERVICE MANUAL
APPLICABLE MODEL	: VZR1800K6-K9, VZR1800ZK7-K9 and VZR1800NK8-K9
EFFECTIVE ENGINE OR FRAME NO.	:
REFERENCE	: E-02, 03, 19, 24, 28, 33, 51

This bulletin is to inform you of the correction of the service manual for the above models.  
Please correct the service manuals according to the following instruction, and circulate this information to your dealers.

## AFFECTED SERVICE MANUALS

MANUAL NAME	MANUAL NUMBER	CORRESPONDING PAGE
VZR1800 SERVICE MANUAL (BOOK):	99500-39293-01E 99500-39293-01G	Page 3-44, 3-96, 3-97, 11-28, 13-6, 14-6, 15-6
VZR1800 SERVICE MANUAL (CD-ROM):	99560-39293-01E	

## DETAIL OF CORRECTION

### Page 3-44

#### CURRENT

- Measure the thickness of drive and driven plates with a vernier calipers. If each plate is within the service limit or standard range, replace it with a new one.



#### Drive plate thickness

Service limit (No.1): 3.22 mm (0.127 in)

Standard (No.2): 1.92 - 2.08 mm (0.076 - 0.082 in)



#### CORRECTED

- Measure the thickness of drive and driven plates with a vernier calipers. If each plate is within the service limit, replace it with a new one.



#### Drive plate thickness

Service limit (No.1): 3.22 mm (0.127 in)

### Page 3-44

#### CURRENT



#### Clutch plate distortion

(drive plate No.2 and driven plate No.1)

Service limit: 0.01 mm (0.004 in)



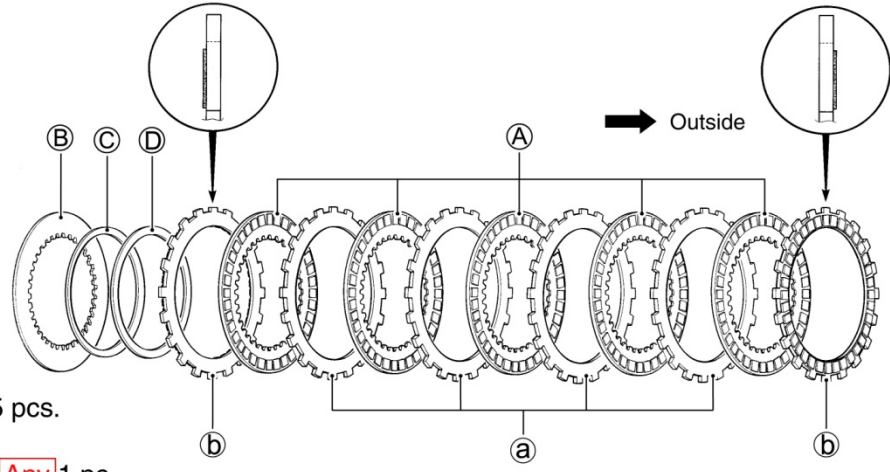
#### CORRECTED



#### Clutch plate distortion

(drive plate No.2 - No.4 and driven plate No.1)

Service limit: 0.01 mm (0.004 in)



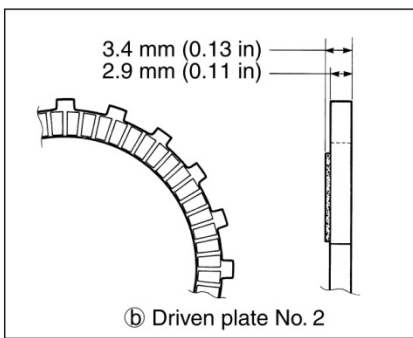
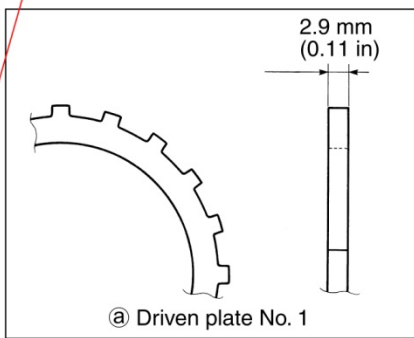
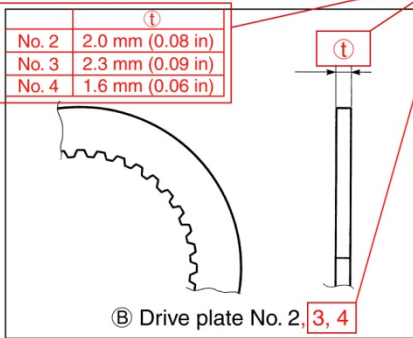
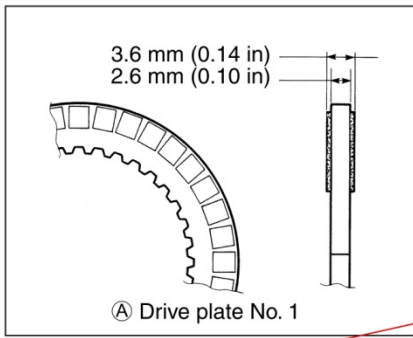
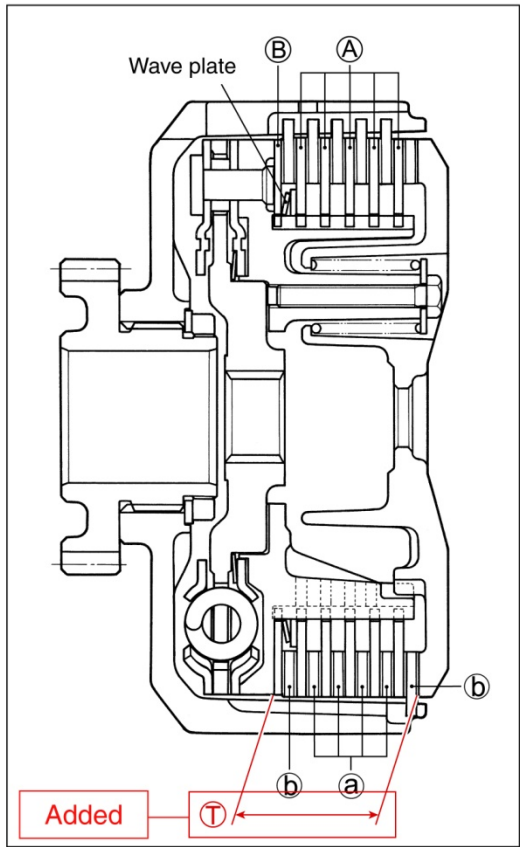
**DRIVE PLATE:**

- Ⓐ Drive plate No. 1 .....5 pcs.
- Ⓑ Drive plate No. 2 .....Any 1 pc.
- Ⓒ Wave washer .....Added
- Ⓓ Wave washer seat

**DRIVEN PLATE:**

- Ⓐ Driven plate No. 1 .....4 pcs. Added
- Ⓑ Driven plate No. 2 .....2 pcs.

**NOTE:**  
 \* Basically in this motorcycle, the drive plate No. 2 is installed as shown Ⓑ. Instead of the No. 2, however, sometimes the drive plate No. 3 or No. 4 may have been installed at the factory for the purpose of fine adjusting the overall thickness ① of clutch plates. When replacing the plate Ⓑ in the aftermarket, always use the drive plate No. 2.



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Page 11-28, 13-6, 14-6, 15-6

## CLUTCH

### CURRENT

Unit: mm (in)

ITEM	STANDARD		LIMIT
Drive plate thickness	No.1	3.52 - 3.68 (0.139 - 0.145)	3.22 (0.127)
	No.2	1.92 - 2.08 (0.076 - 0.082)	
Driven plate thickness	No.1	2.82 - 2.98 (0.111 - 0.117)	
	No.2	3.32 - 3.48 (0.131 - 0.137)	3.17 (0.125)
Driven plate distortion			0.10 (0.004)



### CORRECTED

Unit: mm (in)

ITEM	STANDARD		LIMIT
Drive plate thickness	No.1	3.52 - 3.68 (0.139 - 0.145)	3.22 (0.127)
Driven plate thickness	No.2	3.32 - 3.48 (0.131 - 0.137)	3.17 (0.125)
Clutch plate distortion	Drive No.2 - No.4 & Driven No.1		0.10 (0.004)

# Service Bulletin

<b>MOTORCYCLE</b>	
<b>ISSUE NO. :</b>	<b>M-4-0508</b>
<b>DATE</b>	<b>: Mar. 15, 2010</b>
<b>PAGE</b>	<b>: 1 OF 1</b>

<b>SUBJECT</b>	<b>: CORRECTION OF SERVICE MANUAL</b>
<b>APPLICABLE MODEL</b>	<b>: VZR1800/Z/N/UF/ZUF/NUFK6 – L0</b>
<b>EFFECTIVE ENGINE OR FRAME NO. :</b>	
<b>REFERENCE</b>	<b>: E-02, 03, 19, 24, 28, 33 and 51</b>

This bulletin is to inform you of the correction of the service manual for the above models.  
Please replace the current page in the following service manuals with the revised page attached, and circulate this information to your dealers.

## AFFECTED SERVICE MANUAL

MANUAL NAME	MANUAL NUMBER	CORRESPONDING PAGE
VZR1800 SERVICE MANUAL (BOOK)	99500-39293-01E 99500-39293-01G 99500-39293-03E	6-23 – 24
VZR1800 SERVICE MANUAL (CD-ROM)	99560-39294-01X	

## **FUEL INJECTOR INSTALLATION**

- Apply thin coat of the engine oil to new injector cushion seals and O-rings. (🔧 6-20)
- Install the injector by pushing it straight to the throttle body. Never turn the injector while pushing it. (🔧 6-20)

### **MODIFIED**

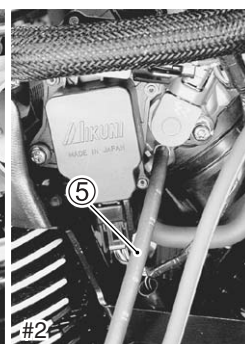
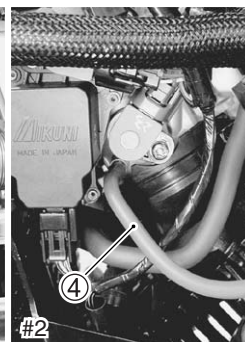
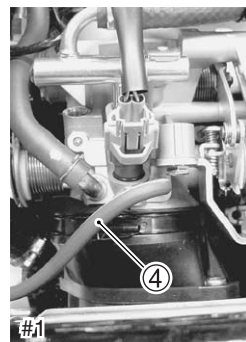
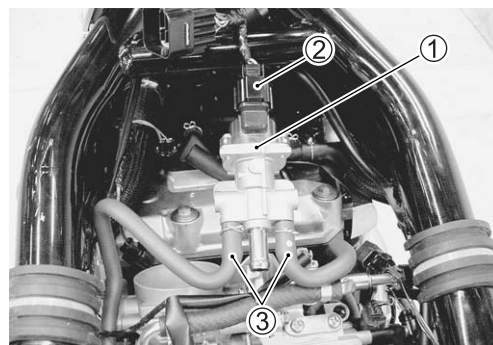
## **THROTTLE VALVE SYNCHRONIZATION**

### **USE OF SDS TOOL**

Check and adjust the throttle valve synchronization among two cylinders.

#### **Step 1**

- Lift and support the fuel tank. (🔧 6-3)
  - Remove the ISC valve ①. (🔧 6-18)
  - Remove the air cleaner chamber. (🔧 6-13)
  - Connect the ISC valve coupler ② and hoses ③.
- 
- Disconnect the vacuum hoses ④ from each throttle body.
- 
- Connect the respective vacuum tester hoses to ⑤ each nipple on the throttle body.



**MODIFIED****Step 2**

- Set up the SDS tool. (5-25)
- Start the engine.
- Click “Data monitor”.

**CAUTION**

**Avoid dirt drawn into the throttle body while running the engine without air cleaner chamber. Dirt drawn into the engine will damage the internal engine parts.**

**NOTE:**

Check that DTC No. P1750 and P0105 are monitored.

- Warm up the engine (Water temp. more than 70 °C (158 °F)).

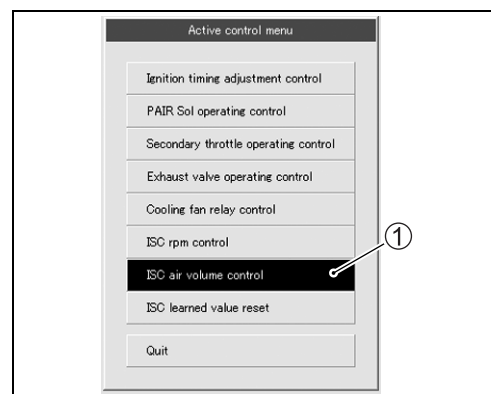
Item	Value	Unit	
<input type="checkbox"/> Engine speed	926	rpm	
<input type="checkbox"/> ISC valve position	30	step	
<input type="checkbox"/> Engine coolant / oil temperature	8.9	°C	
<input type="checkbox"/> Throttle position	27.9	°	
DTC - 2			
Past	P0105	Manifold absolute pressure circuit malfunction 1	
Past	P1750	Manifold absolute pressure circuit malfunction 2	

- Click “Active control”.
- Click “ISC air volume control” ①.
- Click “ON” ② to fix the ISC air volume of two cylinders.

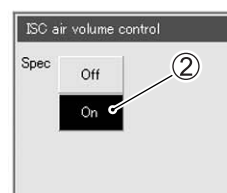
**NOTE:**

When marking this synchronization, be sure that the water temperature is within 70 – 100 °C (158 – 212 °F).

- ① Engine speed: Approx. 900 rpm
- ② ISC valve position: Approx. 30 step



Item	Value	Unit
<input type="checkbox"/> Engine speed	① → 926	rpm
<input type="checkbox"/> ISC valve position	② → 30	step
<input type="checkbox"/> Engine coolant / oil temperature	8.9	°C
<input type="checkbox"/> Throttle position	27.9	°



- Check the difference of vacuum between #1 and #2.



**MODIFIED**

- Equalize the vacuum of the cylinders by turning each air screw ③ and keep it running at idling speed.

**NOTE:**

*Always set the engine rpm at idle rpm.*

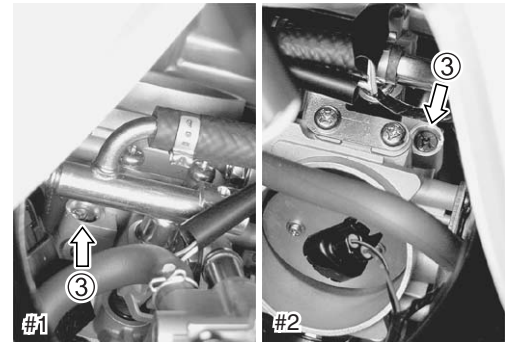
- If the adjustment is not yet correct, remove each air screw and clean them with a spray-type carburetor cleaner and blow dry with a compressed air. Also, clean the air screw passage-ways.

**NOTE:**

*\* Slowly turn the air screw clockwise and count the number of turns until the screw is lightly seated.*

*\* Make a note of how many turns were made so the screw can be reset correctly after cleaning.*

- Repeat the procedures of Step 2.
- Disconnect the vacuum tester and install the removed parts.
- After completing the throttle valve synchronization, clear the DTC using SDS tool. (☞ 5-26)



## THROTTLE POSITION SENSOR (TPS) SETTING

After all adjustments are completed, check or adjust the TPS setting condition.

(Refer to page 5-20 for TPS setting procedure.)



# Service Bulletin

MOTORCYCLE	
ISSUE NO.	: M-4-0510
DATE	: Apr. 20, 2010
PAGE	: 1 OF 2

SUBJECT	: CORRECTION OF SERVICE MANUAL
APPLICABLE MODEL	: VL800seriesK1-L0, VZ800seriesK5-L0, VS1400seriesH-K9, VL1500seriesW-K9, VZ1500K9-L0, VLR1800seriesK8-L0 and VZR1800seriesK6-L0

This bulletin is to inform you of the correction of the service manual for the above models.  
Please correct the service manuals according to the following instruction, and circulate this information to your dealers.

## AFFECTED SERVICE MANUAL

MANUAL NAME	MANUAL NUMBER	CORRESPONDING CHAPTER
VL800 SERVICE MANUAL (BOOK)	99500-38045-01E 99500-38046-01G 99500-38045-01F 99500-38045-01S	Sec.4 SHAFT DRIVE FINAL BEVEL GEARS • FINAL GEAR CASE REASSEMBLY Sec.7 CHASSIS REAR SUSPENSION • REMOUNTING
VL800 SERVICE MANUAL (CD-ROM)	99560-38040-01E	
VZ800 SERVICE MANUAL (BOOK)	99500-38053-01E 99500-38051-01F 99500-38053-01G 99500-38052-01B 99500-38053-03E 99500-38051-01S	Sec.4 SHAFT DRIVE FINAL BEVEL GEARS • FINAL GEAR CASE REASSEMBLY Sec.8 CHASSIS REAR SUSPENSION • REMOUNTING
VZ800 SERVICE MANUAL (CD-ROM)	99560-38055-018	
VS1400 SERVICE MANUAL (BOOK)	99500-39331-01E 99500-39331-01F 99500-39331-01G	Sec.4 SHAFT DRIVE FINAL BEVEL GEARS CONSTRUCTION • REASSEMBLY • FINAL ASSEMBLY AND REMOUNTING
	99500-39158-03E	Sec.4 SHAFT DRIVE FINAL BEVEL GEARS CONSTRUCTION • REASSEMBLY Sec.8 CHASSIS REAR SUSPENSION • REMOUNTING
VL1500 SERVICE MANUAL (BOOK)	99500-39341-01E 99500-39341-01F 99500-39341-01G 99500-39341-03E	Sec.4 SHAFT DRIVE FINAL BEVEL GEARS • FINAL GEAR CASE REASSEMBLY Sec.8 CHASSIS REAR SUSPENSION • REMOUNTING



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MANUAL NAME	MANUAL NUMBER	CORRESPONDING CHAPTER
VZ1500 SERVICE MANUAL (BOOK)	99500-39370-01E 99500-39370-01G 99500-39370-01F 99500-39370-03E	Sec.3 Driveline / Axle Drive Chain / Drive Train / Drive Shaft Final Gear Assembly Removal and Installation • Installation Final Gear Disassembly and Assembly • Assembly
VZ1500 SERVICE MANUAL (CD-ROM)	99560-39370-01E	
VLR1800 SERVICE BANUAL (BOOK)	99500-39360-01E 99500-39360-01G 99500-39360-03E	Sec.3 Driveline / Axle Drive Chain / Drive Train / Drive Shaft Final Gear Assembly Removal and Installation • Installation Final Gear Disassembly and Assembly • Assembly
VLR1800 SERVICE MANUAL (CD-ROM)	99560-39360-01E	
VZR1800 SERVICE MANUAL (BOOK)	99500-39293-01E 99500-39293-01G 99500-39293-03E	Sec.4 DRIVELINE/AXLE FINAL BEVEL GEARS • FINAL GEAR CASE REASSEMBLY
VZR1800 SERVICE MANUAL (CD-ROM)	99560-39294-01X	

#### CORRECTION

Update the indications to apply grease to the propeller shaft splines as follows.

CHAPTER “FINAL GEAR CASE REASSEMBLY” etc.

Corrected

CORRECTED

Apply  $5 - 7 \text{ cm}^3$  (0.3 – 0.4 cu. in) SUZUKI MOLYBDENUM GREASE L or Lithium Base Molybdenum grease (NLGI No.0 – No.2) all over to the propeller shaft splines and the final drive bevel gear coupling.

 : 99000-25280 (SUZUKI MOLYBDENUM GREASE L or equivalent)

Corrected or Added

CHAPTER “REAR SUSPENSION REMOUNTING” etc.

Corrected

CORRECTED

Apply SUZUKI MOLYBDENUM GREASE L or Lithium Base Molybdenum grease (NLGI No.0 – No.2) all over to the propeller shaft splines and the universal joint coupling.

 : 99000-25280 (SUZUKI MOLYBDENUM GREASE L or equivalent)

Corrected or Added