



# YOSHIMURA

RESEARCH&DEVELOPMENT OF AMERICA, INC.

SUZUKI 2000-03 DR-Z400/KAWASAKI 2003 KFX400  
SUZUKI 2000-03 LT-Z400/KAWASAKI 2003 KLX400

## PERFORMANCE CLUTCH KIT [PART No. 45014]

- Be sure to carefully read the instruction manual before starting installation.
- While working, keep these instructions at hand and proceed with the work in accordance with the instructions.
- These instructions should be retained until the product is scrapped.

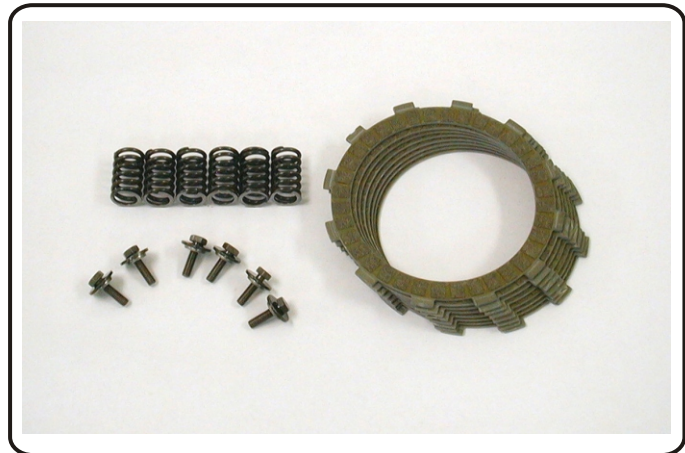
### PART LIST:

Items Included with this Package:		
NO.	DESCRIPTION	QTY
**	High Performance Clutch Friction Plate	8
**	Yoshimura Clutch Springs	6
**	6mm Heavy Duty Clutch Spring Bolts	6

### ● Applicable models

SUZUKI DR-Z400Y/EY (2000-2003)  
KAWASAKI KFX400 (2003)  
SUZUKI LT-Z400 (2003)  
KAWASAKI KLX400 (2003)

Do not use this product for other models than listed above.



### Important:

**⚠ WARNING**

CAUTION

**NOTE**

Please read this manual and follow the instructions carefully. To emphasize special information, the symbol **⚠** and the words **WARNING**, **CAUTION**, and **NOTE** have special meanings. Pay special attention to the messages highlighted by these signal words.

**NOTE:** Indicates special information to make maintenance easier or instructions clearer.

### **⚠ WARNING**

Indicates potential hazard that could result in death or injury.

### **CAUTION**

Indicates potential hazard that could result in vehicle damage.

**Preparation prior to installation:**

Read instructions carefully. Lay out all parts and tools in a clean area. Visually inspect parts for possible damage from shipping.

**⚠ WARNING**

Engine and exhaust system can be extremely hot. Let Motorcycle cool down before beginning installation.

**GENERAL PRECAUTIONS****⚠ WARNING**

- \* Proper service and repair procedures are important for the safety of the service mechanic and the safety and reliability of the Motorcycle.
- \* When two or more persons work together, pay attention to the safety of each other. When it is necessary to run the engine indoors, make sure the exhaust gas is forced outdoors.
- \* When working with toxic or flammable materials, make sure the area you work in is well ventilated and that you follow all of the manufacturer's instructions.
- \* Never use gasoline as a cleaning solvent.
- \* To avoid getting burned, do not touch the engine, engine oil, radiator, and exhaust system until they have cooled.
- \* After servicing the fuel, oil, engine coolant, or exhaust systems, check all of the lines, and fittings relating to the system for leaks.

**CAUTION**

- \* If parts replacement is necessary, replace the parts with SUZUKI Genuine Parts or their equivalent.
- \* When removing parts that are to be reused, keep them arranged in an orderly manner so that they may be reinstalled in the proper order.
- \* Be sure to use special tools when instructed.
- \* Make sure that all parts used in reassembly are clean. Lubricate them when specified.
- \* Use the specified lubricants, bonds, or sealants.
- \* When tightening cylinder head and crankcase nuts and bolts, tighten the larger sizes first. Always tighten the nuts and bolts from the inside working out, diagonally and to the specified torque.
- \* Whenever you remove oil seals, gaskets, packing, O-rings, self-locking nuts, locking washers, cotter pins, circlips, and other specified parts, be sure to replace them with new ones. Also, before installing these new parts, be sure to remove any left over material from the mating surfaces.
- \* Never reuse a circlip. When installing a new circlip, take care not to expand the end gap larger than required to slip the circlip over the shaft. After installing the circlip, always ensure it is completely seated in its groove and securely fitted.
- \* Use a torque wrench to tighten fasteners to the specified torque. Wipe off grease and oil if a thread is smeared with them.
- \* After reassembling, check parts for tightness and proper operation.

Clutch removal and installation should be done in accordance with the Suzuki Genuine Service Manual.

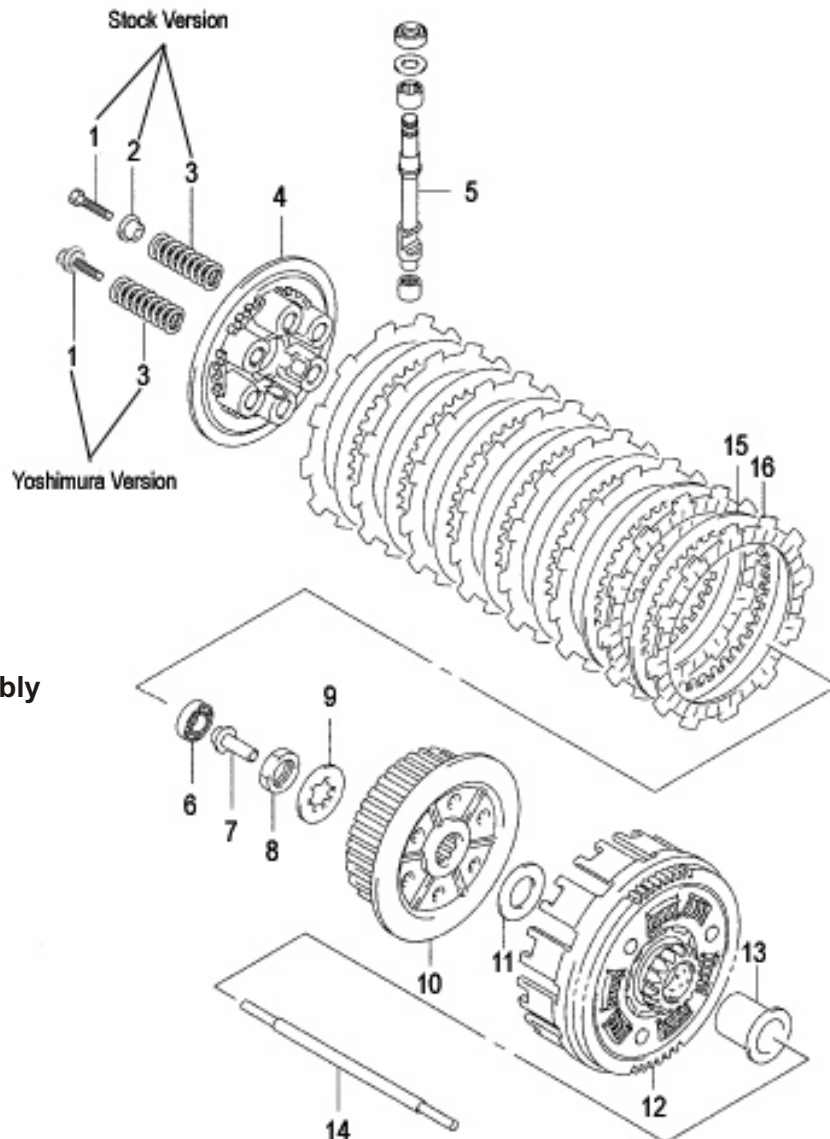
**⚠ WARNING** During installation and reassembly it is critical to check all clearance values specified in the Suzuki Service Manual. Failure to do so may result in severe engine damage. If there are any problems encountered during installation and reassembly, please contact Yoshimura R&D technical support at (909) 628-4722.

**CAUTION**

After disassembling, removed parts should be well cleaned and dried. Inspect all parts to ensure they meet the service limits as defined in the Suzuki service manual.

**Clutch Assembly Diagram:**

- 1- Bolt
- 2- Spring retainer
- 3- Spring
- 4- Pressure plate
- 5- Clutch release camshaft
- 6- Bearing
- 7- Push Piece
- 8- Clutch sleeve hub nut
- 9- Washer
- 10- Clutch sleeve hub
- 11- Washer
- 12- Primary driven gear assembly
- 13- Spacer
- 14- Pushrod
- 15- Driven Plate
- 16- Drive Plate/Friction Plate



**LT-Z400 & KLX400 INSTALLATION:**

- 1 Using a suitable container soak the new clutch friction plates in fresh engine oil for 15-20 minutes.
- 2 Remove clutch cover. (Fig. 1)
- 3 Remove gasket and dowel pins. (Fig. 2)
- 4 Loosen the clutch spring set bolts working in diagonal stages.(Fig. 3)
- 5 Remove the clutch pressure plate, clutch drive plates, and clutch driven plates. Note: On the furthest inside clutch plate there are 2 large diameter spring washers which must be removed from the hub. (Fig. 6) These are not used in the Yoshimura clutch kit.
- 6 Install new friction plates onto hub starting with a friction plate and alternating steel clutch plates in between.each. Note: Steel clutch plates should be inspected for servicibility in accordance with Suzuki Service Manual.
- 7 Install clutch pressure plate using supplied clutch springs and spring bolts (Note: do not use stock spring retainers under supplied spring bolts - see diagram on page 3)
- 8 Tighten the clutch spring set bolts securely in diagonal stages. (Fig. 3) Torque bolts to 1.0 kg-m (7.0 lb-ft).
- 9 Insert dowels in engine case (Fig. 2). Install clutch cover using new gasket (not supplied, Suzuki Part# 11482-07G00).

**CLUTCH ADJUSTMENT:**

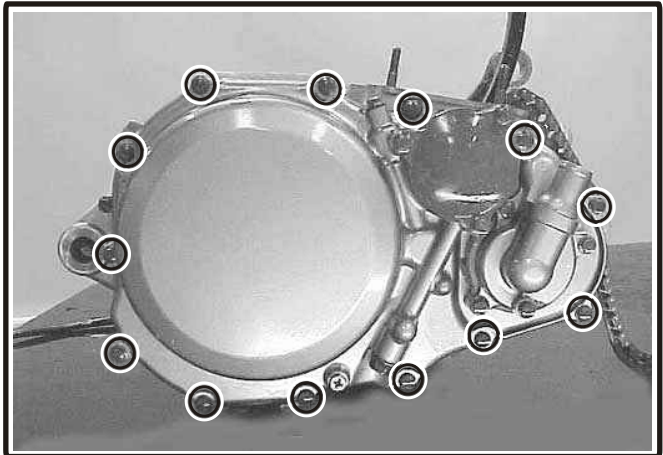
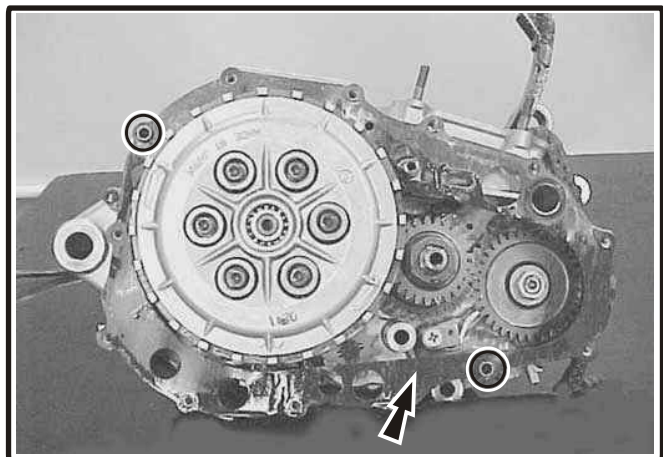
Clutch lever free play should be adjusted after installation of the Yoshimura Clutch Kit.

Adjust clutch lever play to: 10 – 15 mm (0.4 – 0.6 in)

Clutch free play should be readjusted after 6-8 hours of use.

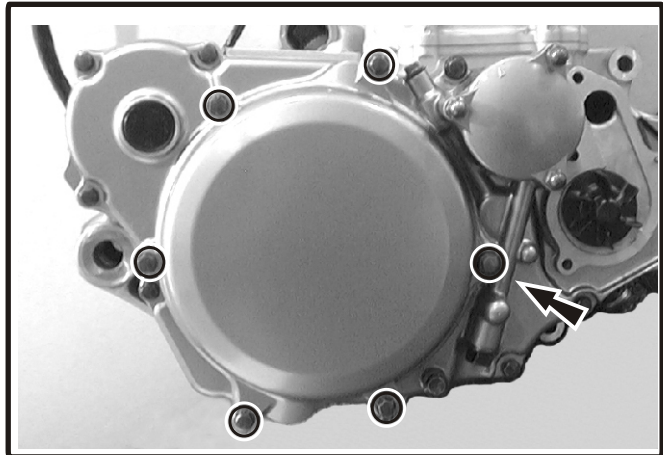
**CHECK ENGINE OIL LEVEL:**

Check Engine oil level after engine has been warmed up, add as necessary.

**Fig. 1****Fig. 2****Fig. 3**

**DR-Z400 & KFX400 INSTALLATION:**

- 1 Using a suitable container soak the new clutch friction plates in fresh engine oil for 15-20 minutes.
- 2 Remove clutch cover. (Fig. 4)
- 3 Loosen the clutch spring set bolts working in diagonal stages.(Fig. 5B)
- 4 Remove the clutch pressure plate, clutch drive plates, and clutch driven plates. Note: On the furthest inside clutch plate there are 2 large diameter spring washers which must be removed from the hub. (Fig. 6) These are not used in the Yoshimura clutch kit.
- 5 Install new friction plates onto hub starting with a friction plate and alternating steel clutch plates in between each. Note: Steel clutch plates should be inspected for servicibility in accordance with Suzuki Service Manual.
- 8 Install clutch pressure plate using supplied clutch springs and spring bolts (Note: do not use stock spring retainers under supplied spring bolts - see diagram on page 3)
- 9 Tighten the clutch spring set bolts securely in diagonal stages. (Fig. 5) Torque bolts to 1.0 kg-m (7.0 lb-ft).
- 10 Install clutch cover. Check carefully to ensure o-ring gasket is correctly seated. Bolt with plastic washer is used on cover bolt at location indicated by arrow on Fig. 4.

**Fig. 4****Fig. 5****CLUTCH ADJUSTMENT:**

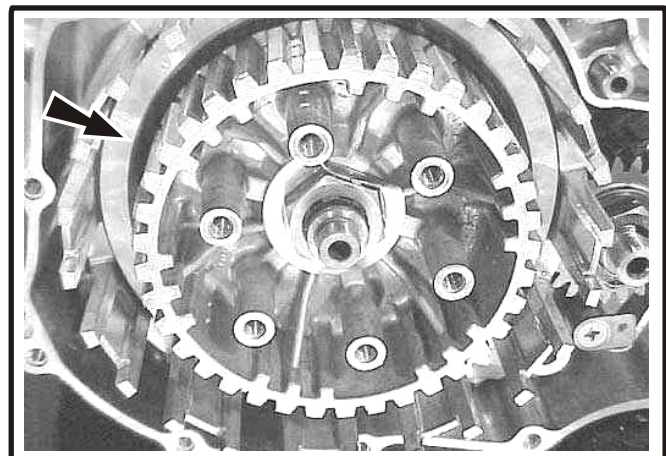
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**CHECK ENGINE OIL LEVEL:**

Check Engine oil level after engine has been warmed up, add as necessary.

**Fig. 6**