

# 22T Primary Drive Gear Instruction Manual

Product number  
02-01-0304

## Adaptation model

KAWASAKI	
KSRI110	(KL110A-000001 ~)
KLX110 (models from 2003 onwards)	(KL110A-A08133 ~)
KSR PRO (KL110EEF)	(JKAKL110EEDA88121 ~)
Z125 PRO	(BR125H-A02621 ~)
SUZUKI	
DR-Z110 (models from 2003 onwards)	

Thank you very much for purchasing our products. Thank you so you will comply with the following matters at the time of use. Before installation, please check your always kit contents.

If there is a point of notice event, Please contact us the dealer of purchase.

◎ If the description, such as photos or illustration different with this part.

## ☆ Please read carefully before use ☆

- ◎ We do not take any responsibility for any accident or damage whatsoever arising from the use of the products not in conformity with the instructions in the manual.
- ◎ We shall be held free from any responsibility or compensation whatsoever for any glitch in the parts other than ours if the glitch takes place after the installation and use of the products.
- ◎ This kit is designed for exclusive use in the above-mentioned applicable models and frame numbers only. Please take note that this kit cannot be mounted on other models.
- ◎ Product may have edges or protrusions. Be sure to wear working gloves.  
(Please wear work gloves when working, even if a photo in this article show without work gloves.)
- ◎ This product contains a gear only. Gaskets, etc., necessary for disassembly, are not included, which please purchase separately.
- ◎ Do the disassembly and installation work correctly referring to the relative genuine service manual for the above-mentioned applicable models. Those who are technically unskilled or inexperienced are required not to do the work. Improper installation because of insufficient skill and knowledge could lead to parts breakage. Therefore, we recommend those who are technically inexperienced or do not have enough tools to ask a technically-reliable specialist shop for the work.
- ◎ Always use new bolts, nuts, dowel pins and packings. Never reuse severely worn-out or damaged ones.
- ◎ Be sure never to use this gear in combination with other manufacturer's products. There is a possibility that parts may be damaged. And we shall be held harmless against any breakage or damage of any part caused by the use of this product in combination with other manufacturer's products.
- ◎ You are kindly requested not to contact us about the combination of our products with other manufacturers'.
- ◎ Drive gear cannot be used alone (except KSR PRO/Z125 PRO). Must be installed with Hydro Clutch Conversion Kit (02-01-0163).
- ◎ Please note that this gear cannot be installed onto KLX110 / DR-Z110 for the year 2002 because of the difference in the gear shape.
- ◎ This kit removes the genuine clutch gear that reduces the backlash on the primary side. However no affects the clutch operation without mounting. (except for KSR PRO/Z125 PRO). Can be used without this gear.

## ~ feature ~

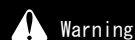
- The light weight reduces the load on the crank shaft and improves the throttle response, as the stock primary clutch is removed, with only gear left.
- Since the transmission is not through the clutch, crank shaft rotation is 100% transmitted to the secondary clutch, preventing loss of power.

⚠ Caution When the handling of ignoring this display, property damage and human shows the assumption of what injury.

- Make sure the bike is secure on the sidestand on level ground for safety's sake during installation.
- Work only when the engine and muffler are cool. (Otherwise, you will burn yourself.)
- Do the installation work using the proper tools for the work. (Otherwise, the installation with improper tools could cause breakage of parts or injuries to yourself.)
- Always use a torque wrench to screw bolts and nuts tight and securely to the specified torque. (Improper torque could cause these parts to get damaged or fall off, resulting in accidents.)
- The product and the frame, might have edges or protrusions. When working, please wear work gloves to protect your hands. (It may cause injury.)
- Before riding, always check every section for slack in parts like screws. If you find slack ones, screw them securely up to the specified torque. (Otherwise, improper tightening may cause parts to come off.)

**SPECIAL PARTS**  
**TAKEGAWA**

CONTACT Address : 3-5-16 Nishikiorihigashi Tondabayashi Osaka JAPAN  
TEL: +81-721-25-1357 FAX: +81-721-24-5059  
e-mail: english@takegawa.co.jp URL <http://www.takegawa.co.jp>  
Please contact with your name and country name provided. (Only English please)



Warning

When the handling of ignoring this display people died, shows the contents of the serious injury possibility is assumed.

- When you notice something abnormal with your motorcycle while riding, stop riding immediately and park your motorcycle in a safe place. (Otherwise, the abnormality could lead to accidents.)
- Before doing work, make sure your bike is secure on level ground for safety's sake. (Otherwise, your motorcycle could overturn and injure you while you are working.)
- Check or carry out maintenance of your motorcycle correctly according to the procedures in the instruction manual or service manual. (Improper checking or maintenance could lead to accidents.)
- If you find damaged parts when checking and performing maintenance, do not use these parts any longer, and replace them with new ones. (The continued use of these damaged parts could lead to accidents.)
- Keep plastic bags for packing products out of children's reach, or discard them. (Otherwise, there is a danger of their suffocating if they get it on.)
- Always start the engine in a well-ventilated place, and do not turn the engine on in an airtight place. (Otherwise, you will suffer from carbon monoxide poisoning.)

◎ Please note. Performance up, the design change, the product and the price in the cost up, etc. are subject to change without notice.

◎ Keep this manual stored until this product is discarded.

◎ Please be informed that we shall be held harmless against any claim against us whatsoever arising out of use of the products in racing and the like.

## Product content



Product content	Quantity
Primary drive gear	1

- Mounting procedure ※ Please refer to the genuine service manual if the detail is not mentioned method and the specified torque.

○ Referring to the service manual, detach the primary clutch.

(Installing with clutch gear: Except KSR PRO/Z125 PRO)

○ From the clutch housing, remove a clutch holder, clutch holder spring, ring and clutch gear.

(Installing with clutch gear: Except KSR PRO/Z125 PRO)

○ Install the removed parts to the drive gear.

● Install the clutch gear to the drive gear.

● Install the holder spring to the clutch holder.

● Press the clutch holder into the drive gear, meshing the teeth together.

● Put a mark on any random tips of teeth meshing together.

(Installing with clutch gear: Except KSR PRO/Z125 PRO)

○ Give the clutch gear 2-tooth turns clockwise, and attach the drive gear to the crank shaft.

※ At this point, check that the marks on the cog tips are off the original positions.

(Without clutch gear: KSR PRO/Z125 PRO)

○ Attach the drive gear to the crank shaft.

○ Attach a nut to the crank shaft, and tighten the nut to the specified torque, holding the drive gear tight to prevent it from rotating.

⚠ Note: Be sure that you protect specified torque.

Nut

Torque : 72N · m (7.3kgf · m)

○ Referring to the service manual, install the removed parts in the reverse order of removal.

◎ You can see this instruction manual on our website as PDF data .

If this document hard to read, please download it from our website.

