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› CNANRNANC Replacement Centrifugal Clutch for Kawasaki TD33, TD40, TD48, TH34, TH43, TH48, TJ35E, TJ45E - Instruction Manual

CNANRNANC UUU0205174001

CNANRNANC Replacement Centrifugal Clutch

Model: UUU0205174001 | **Brand:** CNANRNANC

1. PRODUCT OVERVIEW

This document provides essential information for the installation, operation, and maintenance of your new CNANRNANC replacement centrifugal clutch. This clutch is designed as a direct replacement part for various Kawasaki engine models, ensuring reliable performance and compatibility.

Compatible Kawasaki Engine Models:

- TD33, TD033D, TD33DX, TD033H, TD033J
- TD40, TD040D, TD040H, TD040J
- TD48, TD048D, TD048H, TD048J
- TG33, TG033D, TG033H
- TH34, TH43, TH043D, TH043H
- TH48, TH048D
- TJ35E, TJ035E
- TJ45E, TJ045E

Replaces Part Numbers:

- **Clutch Shoe:** 49049-2075, 49049-2053, 311703-3552-00
- **Clutch Spring:** 92144-2390, 92081-2172, 311703-3553-00



Image 1.1: Overview of the centrifugal clutch assembly.

2. SAFETY INFORMATION

Always prioritize safety when working with mechanical components. Improper installation or handling can lead to injury or damage to equipment.

- Ensure the engine is turned off and cooled down before beginning any work.
- Disconnect the spark plug wire to prevent accidental starting.
- Wear appropriate personal protective equipment (PPE), including gloves and eye protection.
- If you are unsure about any step, consult a qualified technician.
- Keep all tools and parts organized to prevent loss or damage.

3. PACKAGE CONTENTS

Verify that all components are present and undamaged upon opening the package.

- 1 x Centrifugal Clutch Assembly

4. SPECIFICATIONS

Detailed measurements and characteristics of the centrifugal clutch.

Feature	Specification
Overall Product Dimensions	10 x 5 x 2 cm
Clutch Diameter	7.7 cm
Mounting Hole Diameter	10 mm
Clutch Shoe Height	14 mm
Hole-to-Hole Distance (Center)	4 cm



Image 4.1: Detailed measurements of the clutch components.



Image 4.2: Illustration of the 4 cm hole-to-hole distance.

5. INSTALLATION (SETUP)

The following steps outline a general procedure for replacing a centrifugal clutch. Specific engine models may have variations. Professional installation is recommended.

1. **Preparation:** Ensure the engine is off, cool, and the spark plug wire is disconnected. Place the equipment on a stable, level surface.
2. **Access the Clutch:** Depending on your equipment, you may need to remove covers, housings, or other components to gain access to the clutch assembly. Refer to your equipment's specific service manual.
3. **Remove Old Clutch:** Carefully unbolt or unscrew the old clutch assembly from the engine shaft. Note the orientation of all parts for reassembly. You may need a clutch removal tool.

4. **Inspect Components:** Before installing the new clutch, inspect the engine shaft, keyway (if applicable), and mounting area for any damage, wear, or debris. Clean as necessary.
5. **Install New Clutch:** Align the new centrifugal clutch with the engine shaft. Ensure the keyway (if present) is properly seated. Slide the clutch onto the shaft and secure it with the appropriate bolts or nuts. Tighten fasteners to the manufacturer's specified torque settings.
6. **Reassemble:** Reattach any covers, housings, or other components that were removed. Reconnect the spark plug wire.
7. **Test:** Start the engine and perform a brief test to ensure the clutch engages and disengages smoothly and correctly. Listen for unusual noises or vibrations.



Image 5.1: The centrifugal clutch assembly, ready for installation.

6. OPERATION

A centrifugal clutch operates based on engine RPM. At low engine speeds (idle), the clutch shoes remain retracted, allowing the engine to run without engaging the driven component (e.g., trimmer head, pump). As engine RPM increases,

centrifugal force causes the clutch shoes to expand outward, engaging with the clutch drum and transferring power to the driven component. When the engine speed decreases, the springs pull the shoes back, disengaging the clutch.

7. MAINTENANCE

Regular inspection and maintenance can extend the life of your centrifugal clutch.

- **Periodic Inspection:** Annually or after every 50 hours of operation, inspect the clutch shoes for wear. If the friction material is worn thin or unevenly, the clutch should be replaced.
- **Spring Condition:** Check the clutch springs for signs of stretching, damage, or corrosion. Damaged springs can lead to premature engagement or slippage.
- **Cleanliness:** Keep the clutch area free from dirt, dust, and debris. Accumulation can interfere with proper clutch operation and accelerate wear. Use compressed air to clean the clutch and drum area.
- **Lubrication:** Centrifugal clutches typically operate dry. Do not apply oil or grease to the clutch shoes or drum, as this will cause slippage and damage.

8. TROUBLESHOOTING

If you experience issues with your centrifugal clutch, consider the following common problems and solutions:

- **Clutch Not Engaging:**
 - *Possible Cause:* Worn clutch shoes or stretched springs.
 - *Solution:* Inspect and replace clutch assembly if shoes are worn or springs are damaged.
 - *Possible Cause:* Low engine RPM.
 - *Solution:* Check engine idle speed and carburetor settings.
- **Clutch Slipping:**
 - *Possible Cause:* Worn clutch shoes or weak springs.
 - *Solution:* Replace clutch assembly.
 - *Possible Cause:* Oil or grease on clutch shoes/drum.
 - *Solution:* Clean clutch shoes and drum with a degreaser. Ensure no oil leaks are present.
- **Clutch Engaging Prematurely (at low RPM):**
 - *Possible Cause:* Weak or broken clutch springs.
 - *Solution:* Replace clutch assembly.
 - *Possible Cause:* Excessive debris in clutch mechanism.
 - *Solution:* Clean clutch area thoroughly.
- **Excessive Vibration or Noise:**
 - *Possible Cause:* Worn or damaged clutch shoes/drum.
 - *Solution:* Inspect and replace clutch assembly if necessary.
 - *Possible Cause:* Loose mounting bolts.
 - *Solution:* Check and tighten all mounting bolts to specifications.

9. WARRANTY AND SUPPORT

For warranty information or technical support regarding your CNANRNANC replacement centrifugal clutch, please refer to the seller or contact the manufacturer directly through their official channels. Keep your purchase receipt as proof of purchase.

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