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› [YOWSOM](#) /

› [YOWSOM Clutch Cable Instruction Manual for LIFAN V400 LF400-5 Motorcycle](#)

## YOWSOM YXSM789

# YOWSOM Clutch Cable Instruction Manual for LIFAN V400 LF400-5 Motorcycle

Model: YXSM789

## INTRODUCTION

Thank you for choosing the YOWSOM Clutch Cable for your LIFAN V400 LF400-5 motorcycle. This cable is engineered for direct replacement, offering reliable clutch operation. Constructed from durable PVC and stainless steel, it provides flexibility and resistance to wear, ensuring smooth and consistent performance. This manual provides essential information for proper installation, operation, and maintenance to ensure the longevity and optimal function of your new clutch cable.

## SAFETY INFORMATION

- Always ensure the motorcycle is on a stable stand and the engine is off before beginning any installation or maintenance.
- Wear appropriate personal protective equipment, such as gloves and eye protection.
- If you are unsure about any step, consult a qualified motorcycle mechanic.
- Improper installation can lead to loss of control and serious injury.

## SETUP AND INSTALLATION

This clutch cable is designed as a direct replacement for the original cable on LIFAN V400 LF400-5 motorcycles. No modifications are typically required for installation.

### Required Tools:

- Wrenches (appropriate sizes for clutch lever and engine side adjustments)
- Pliers
- Cable lubricant (optional, but recommended)

### Installation Steps:

1. **Prepare the Motorcycle:** Park the motorcycle on a level surface using its center stand or a paddock stand. Ensure the engine is cool and turned off.

## 2. Remove Old Cable (Clutch Lever Side):

- Locate the clutch lever on the handlebar.
- Loosen the adjuster nuts near the clutch lever to provide maximum slack.
- Remove the cable end from the clutch lever perch.

## 3. Remove Old Cable (Engine Side):

- Follow the clutch cable down to the engine side, usually near the clutch arm.
- Loosen any retaining nuts or bolts securing the cable housing.
- Carefully detach the cable end from the clutch actuating arm.
- Remove the old cable completely, noting its routing path.

## 4. Install New Cable:

- Route the new YOWSOM clutch cable along the same path as the old one, ensuring it does not get pinched or kinked, and avoids hot engine parts or sharp edges.
- Attach the cable end to the clutch actuating arm on the engine side. Secure the cable housing if applicable.
- Attach the other cable end to the clutch lever perch on the handlebar.

## 5. Adjust Clutch Free Play:

- Adjust the cable tension using the adjuster nuts near the clutch lever until there is approximately 2-3mm (0.08-0.12 inches) of free play at the tip of the clutch lever before the clutch begins to engage.
- Ensure the clutch fully disengages when the lever is pulled in and fully engages when released.
- Tighten all lock nuts once the adjustment is satisfactory.

## 6. Test Operation:

Start the motorcycle and carefully test the clutch operation in a safe area. Ensure smooth engagement and disengagement. Check for any binding or unusual resistance.

*Note:* The cable length refers to the inner core length, measured from end to end, matching the original vehicle specifications for optimal fitment.

## OPERATING THE CLUTCH CABLE

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The clutch cable transmits the force from the clutch lever to the clutch mechanism, allowing you to disengage and engage the engine's power to the transmission. Proper operation involves smooth and controlled use of the clutch lever.

- **Disengagement:** Pull the clutch lever fully towards the handlebar to disengage the clutch, allowing for gear changes or stopping without stalling the engine.
- **Engagement:** Slowly release the clutch lever to engage the clutch, transferring power from the engine to the rear wheel. Coordinate this with throttle input for smooth acceleration.
- Avoid "slipping" the clutch unnecessarily for extended periods, as this can cause premature wear.

## MAINTENANCE

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Regular maintenance of your YOWSOM clutch cable will ensure its longevity and reliable performance.

- **Inspection:** Periodically inspect the entire length of the cable for any signs of fraying, kinking, rust, or damage to the PVC outer sheathing. Check the cable ends for wear.
- **Lubrication:** It is recommended to lubricate the inner cable with a suitable cable lubricant every few thousand miles or as per your motorcycle's service manual. This reduces friction and prevents corrosion.

- **Adjustment:** Regularly check and adjust the clutch free play to maintain the recommended 2-3mm at the lever. Incorrect free play can lead to clutch slip or drag.
- **Cleaning:** Keep the cable and its ends clean from dirt and debris.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
<b>Stiff or Sticky Clutch Lever</b>	Lack of lubrication, dirt/debris in cable, kinked cable, worn cable.	Lubricate the cable. Clean cable ends. Inspect cable routing for kinks. Replace cable if worn or damaged.
<b>Clutch Not Fully Disengaging (Clutch Drag)</b>	Insufficient cable free play, stretched cable, incorrect installation.	Adjust cable free play. Inspect for proper installation. If cable is stretched, replacement may be necessary.
<b>Clutch Slipping (Engine RPM increases without corresponding speed increase)</b>	Excessive cable free play, clutch not fully engaging, worn clutch plates (not cable related).	Adjust cable free play. Ensure cable is not binding. If problem persists, consult a mechanic for clutch plate inspection.
<b>Cable Fraying or Breaking</b>	Wear and tear, improper routing, sharp edges, lack of lubrication.	Replace the cable immediately. Ensure correct routing and proper lubrication for the new cable.

## SPECIFICATIONS

- **Model:** YXSM789
- **Compatibility:** LIFAN V400 LF400-5 Motorcycle
- **Material:** PVC outer sheathing, Stainless Steel inner wire
- **Length:** Original vehicle length (inner core length from end to end)
- **Package Contents:** 1 x YOWSOM Clutch Cable
- **Item Weight:** 6.3 ounces
- **Package Dimensions:** 1.18 x 0.79 x 0.39 inches

## WARRANTY AND SUPPORT

YOWSOM stands behind the quality of its products. While specific warranty details are not provided in this manual, please retain your proof of purchase. For any questions, concerns, or support regarding your YOWSOM Clutch Cable, please contact the retailer or manufacturer directly. Always refer to your motorcycle's official service manual for additional maintenance and repair procedures.

Please check the product listing or manufacturer's website for the most current warranty information and customer support contact details.