## Makita 385-726-072

# Makita 385-726-072 Bowden Cable Cpl.Dolmar Ms4510 User Manual

Model: 385-726-072 | Brand: Makita

## Introduction

This manual provides essential information for the proper installation, operation, and maintenance of the Makita 385-726-072 Bowden Cable. This component is designed for specific applications, primarily with Dolmar Ms4510 equipment, to transmit mechanical force or motion from one point to another, typically for throttle control or similar functions.



Image: The Makita 385-726-072 Bowden Cable, featuring a flexible outer casing and an inner wire, designed for transmitting mechanical force.

## Setup and Installation

Proper installation is crucial for the cable's functionality and longevity. Refer to your equipment's specific service manual

for detailed instructions regarding the Dolmar Ms4510.

1. **Safety First:** Ensure the equipment is turned off, cooled down, and disconnected from any power source (e.g., spark plug cap removed for gasoline engines) before beginning installation.
2. **Remove Old Cable:** Carefully disconnect the existing Bowden cable from both ends (e.g., throttle lever and carburetor/engine linkage). Note the routing path of the old cable.
3. **Inspect Components:** Before installing the new cable, inspect the connection points, levers, and linkages for any wear, damage, or obstructions. Clean as necessary.
4. **Route New Cable:** Route the new Makita 385-726-072 Bowden Cable along the same path as the old one, ensuring it is not kinked, pinched, or subjected to sharp bends. Avoid routing near hot or moving parts.
5. **Connect Ends:** Attach one end of the cable to the control lever (e.g., throttle) and the other end to the corresponding mechanism on the engine or component. Ensure all connections are secure and properly seated.
6. **Adjust Tension:** If applicable, adjust the cable tension according to your equipment's service manual specifications. This often involves adjusting a barrel adjuster or similar mechanism to ensure proper play and full range of motion without binding.
7. **Test Functionality:** After installation, manually operate the control lever to verify smooth and complete movement of the connected mechanism. Check for any sticking, excessive slack, or binding.

## Operating Principles

The Makita 385-726-072 Bowden Cable operates on a simple push-pull mechanism. When the control lever is actuated, the inner wire of the cable moves within its protective outer casing, transmitting the force to the connected component (e.g., opening or closing a throttle valve). The outer casing provides a fixed conduit, allowing the inner wire to move freely and efficiently, even around bends.

- **Smooth Operation:** A properly installed and maintained cable will provide smooth, consistent, and responsive control.
- **Force Transmission:** It effectively transfers mechanical input from the operator to the functional part of the machine.

## Maintenance

Regular maintenance extends the life of your Bowden cable and ensures reliable operation.

- **Inspection:** Periodically inspect the entire length of the cable for signs of wear, fraying, kinks, cracks in the outer casing, or corrosion on the inner wire. Pay close attention to the ends where the cable connects to components.
- **Lubrication:** Apply a suitable cable lubricant (e.g., silicone-based or light oil) to the inner wire, especially at the ends where it enters and exits the casing. This reduces friction and prevents corrosion. Avoid excessive lubrication that might attract dirt.
- **Cleaning:** Keep the cable and its connection points clean from dirt, debris, and old grease. A clean cable operates more smoothly.
- **Adjustment Check:** Verify that the cable tension remains correct and that there is no excessive slack or binding. Readjust if necessary.
- **Replacement:** Replace the cable immediately if any significant damage, fraying, or excessive stiffness is observed. A damaged cable can lead to loss of control or equipment malfunction.

## Troubleshooting

If you experience issues with your Bowden cable, consider the following common problems and solutions:

| Problem | Possible Cause | Solution |
|---|---|---|
| Cable is stiff or sticky | Lack of lubrication, dirt/debris inside casing, kinked cable, internal corrosion. | Lubricate the cable. Clean connection points. Inspect for kinks; replace if severely kinked. |
| Mechanism not fully actuating | Excessive slack, stretched cable, obstruction at connection points, incorrect adjustment. | Adjust cable tension. Inspect and clear obstructions. Replace if cable is stretched or damaged. |
| Cable breaks or frays | Wear and tear, excessive force, improper routing, corrosion. | Replace the cable immediately. Ensure proper routing to prevent future damage. |
| Control lever feels loose | Too much slack in the cable, worn connection points. | Adjust cable tension. Inspect and replace worn connection components if necessary. |

If troubleshooting steps do not resolve the issue, consult a qualified service technician or refer to the equipment's comprehensive service manual.

## Specifications

Key specifications for the Makita 385-726-072 Bowden Cable:

- **Part Number:** 385-726-072
- **Manufacturer:** Makita
- **Item Weight:** Approximately 4 ounces
- **Package Dimensions:** Approximately 1.18 x 1.18 x 1.18 inches (Note: These are package dimensions, not cable length)
- **Item Model Number:** 385726072
- **Compatibility:** Designed for use with Dolmar Ms4510 and similar compatible equipment.

## Warranty and Support

For information regarding warranty coverage for the Makita 385-726-072 Bowden Cable, please refer to the official Makita warranty policy or contact Makita customer support directly. Warranty terms typically cover manufacturing defects.
For technical assistance, replacement parts, or service inquiries, please visit the official Makita website or contact their authorized service centers. Always use genuine Makita replacement parts to ensure compatibility and maintain product performance.
**Makita Official Website:** www.makitatools.com

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