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DKIIGAME dk-mo-gk8252

DKIIGAME Throttle Cable Instruction Manual

Model: dk-mo-gk8252

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your DKIIGAME Throttle Cable, model dk-mo-gk8252. This cable is designed for Manco ASW #8252-1390 and American Sportworks go-karts. Please read these instructions thoroughly before installation and use to ensure safe and efficient performance.

2. SAFETY INFORMATION

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

- Ensure the go-kart engine is off and cooled down before beginning any work.
- Disconnect the spark plug wire to prevent accidental starting.
- Wear appropriate personal protective equipment, including gloves and eye protection.
- If you are unsure about any step, consult a qualified mechanic.
- Keep all tools and small parts away from children.

3. PACKAGE CONTENTS

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

- 1 x DKIIGAME Throttle Cable (Model: dk-mo-gk8252)



Figure 3.1: The DKIIGAME throttle cable, coiled for packaging, showing both ends.

4. COMPATIBILITY

This throttle cable is specifically designed for the following go-kart models:

- Manco ASW #8252-1390 Go-Karts
- American Sportworks Go-Karts (models compatible with ASW #8252-1390 specifications)

The cable features an outer casing length of 63 inches and an inner wire length of 71 inches.

5. SETUP AND INSTALLATION

Follow these steps for proper installation of the throttle cable. Refer to your go-kart's specific service manual for detailed instructions on accessing components.

1. **Preparation:** Ensure the go-kart is on a stable, level surface. Turn off the engine and disconnect the spark plug wire.
2. **Remove Old Cable:**
 - Locate the throttle cable connection at the carburetor or throttle body. Disconnect the inner wire from the throttle linkage.
 - Trace the cable back to the throttle pedal assembly. Disconnect the cable from the pedal.
 - Carefully remove the old cable from its routing clips and guides. Note its path for correct installation of the new cable.
3. **Route New Cable:**
 - Begin by routing the new DKIIGAME throttle cable along the same path as the old cable. Ensure it is free from kinks, sharp bends, or obstructions that could impede its movement.
 - Secure the cable using existing clips or zip ties, ensuring it does not interfere with moving parts or hot engine components.



Figure 5.1: One end of the throttle cable, featuring the eyelet and threaded adjuster for connection.

4. **Connect to Throttle Pedal:**
 - Connect the appropriate end of the new cable to the throttle pedal mechanism. Ensure it is securely fastened.



Figure 5.2: The throttle cable showing both connection ends, one with an eyelet and the other with a crimped wire end.

5. Connect to Carburetor/Throttle Body:

- Connect the other end of the inner wire to the throttle linkage on the carburetor or throttle body.
- Ensure the cable housing is seated correctly in its bracket.



Figure 5.3: Detailed view of the threaded adjuster and lock nuts, used for fine-tuning cable tension.

6. Adjust Cable Tension:

- Adjust the cable tension using the threaded adjusters (if present) to ensure proper throttle response. There should be a small amount of free play (typically 1/16 to 1/8 inch) at the throttle pedal before the cable begins to pull.
- Ensure the throttle returns smoothly to the idle position when the pedal is released.

7. Final Check:

- Reconnect the spark plug wire.
- Start the engine and test the throttle response at low RPMs. Ensure the engine returns to idle reliably.
- Perform a static test by pressing the throttle pedal and observing the carburetor linkage movement.

6. OPERATING INSTRUCTIONS

The throttle cable transmits input from the accelerator pedal to the engine's carburetor or throttle body, controlling engine speed. Proper operation relies on smooth, unrestricted movement of the cable.

- Ensure the throttle pedal moves freely without sticking or excessive resistance.
- Never force the throttle pedal if it feels jammed. Investigate the cause immediately.

- Regularly check for any signs of wear or damage that could affect throttle response.

7. MAINTENANCE

Regular maintenance extends the life of your throttle cable and ensures safe operation.

- **Inspection:** Periodically inspect the entire length of the cable for fraying, kinks, cracks in the casing, or corrosion. Pay close attention to the ends where the cable connects to the pedal and carburetor.
- **Lubrication:** Apply a suitable cable lubricant (e.g., silicone-based or graphite-based) to the inner wire at both ends, allowing it to penetrate the casing. This helps maintain smooth operation and prevents corrosion.
- **Cleaning:** Keep the cable and its connection points free from dirt, debris, and excessive grease.
- **Adjustment:** Re-check cable tension periodically and adjust as necessary to maintain the recommended free play.
- **Replacement:** Replace the throttle cable immediately if any signs of significant wear, damage, or sticking are observed.



Figure 7.1: The eyelet end of the cable, often connected to the throttle pedal, showing the spring mechanism.

8. TROUBLESHOOTING

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

| Problem | Possible Cause | Solution |
|-----------------------------------|---|---|
| Throttle pedal sticks or is stiff | Lack of lubrication, kinked cable, debris in casing, corroded inner wire. | Lubricate cable, check for proper routing, clean cable path, replace if corroded or kinked. |

| Problem | Possible Cause | Solution |
|--------------------------------|---|--|
| Engine does not return to idle | Cable too tight, throttle linkage binding, return spring weak/broken. | Adjust cable tension for proper free play, inspect throttle linkage for obstructions, check/replace return spring. |
| Delayed throttle response | Excessive cable slack, worn cable, binding. | Adjust cable tension, inspect for wear, lubricate. |
| Cable frayed or broken | Wear and tear, improper routing, excessive stress. | Replace the cable immediately. |

If troubleshooting steps do not resolve the issue, it is recommended to consult a professional mechanic.

9. SPECIFICATIONS

Key specifications for the DKIIGAME Throttle Cable (Model: dk-mo-gk8252):

- **Brand:** DKIIGAME
- **Model Number:** dk-mo-gk8252
- **Material:** Metal (cable), Black (casing)
- **Wire Total Length:** 71 inches (approx. 180 cm)
- **Outer Casing Length:** 63 inches (approx. 160 cm)
- **Compatibility:** Manco ASW #8252-1390 / American Sportworks Go-Karts
- **Features:** Heavy-duty eyelet, thicker and stronger inner wire.



Figure 9.1: The complete throttle cable, illustrating its full length and the design of both connection points.

10. WARRANTY AND SUPPORT

For specific warranty information or technical support regarding your DKIIGAME Throttle Cable, please refer to the retailer where the product was purchased or contact DKIIGAME customer service directly. Keep your purchase receipt as proof of purchase.

For general inquiries, you may visit the [DKIIGAME brand page on Amazon](#).

