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> Tivora Throttle Cable Wire Instruction Manual

Tivora MKD611

Tivora Throttle Cable Wire Instruction Manual

Model: MKD611

1. PRODUCT OVERVIEW

This manual provides essential information for the installation, function, and maintenance of the Tivora Throttle Cable Wire. This product is designed as a direct replacement for specific Honda Civic and CRX models.

- **Compatible Models:** Honda CRX 1989, 1990, 1991; Honda Civic 1989, 1990, 1991.
- **Replacement Part Numbers:** 17910-SH3-A91, 17910SH3A91.
- **Material Quality:** Constructed with high-quality steel wire for strength and durability, encased in wear-resistant and oxidation-resistant rubber for extended service life.
- **Quality Assurance:** Manufactured under strict production standards and advanced technology, undergoing rigorous testing to ensure reliable and long-term performance.

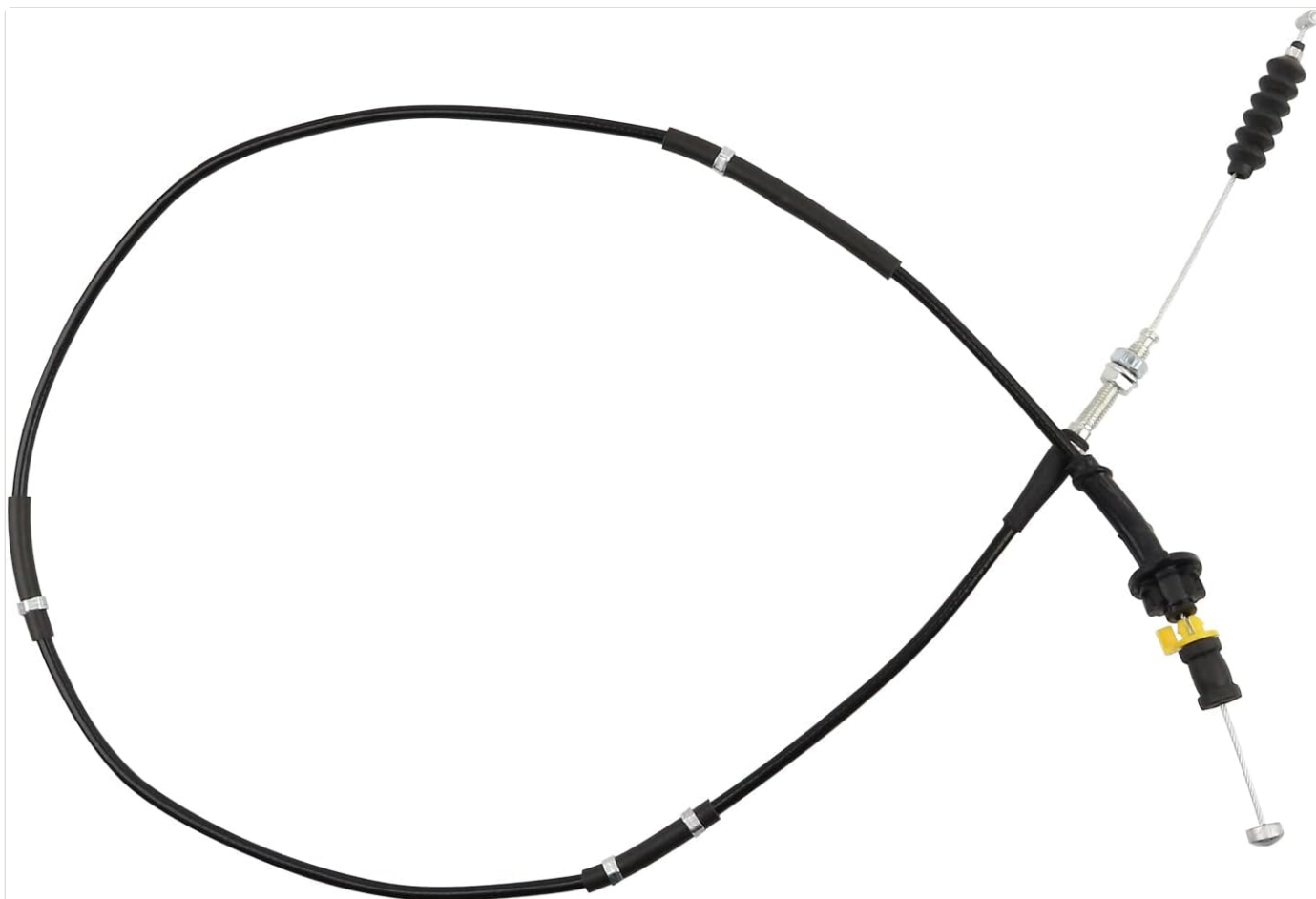


Figure 1: Overview of the Tivora Throttle Cable Wire. This image displays the full length of the cable, showing both ends and the protective rubber casing along the steel wire.

2. INSTALLATION (SETUP)

Proper installation of the throttle cable is crucial for safe and effective vehicle operation. If you are not familiar with automotive repair, it is recommended to seek professional assistance.

2.1 Safety Precautions

- Ensure the vehicle is turned off and the parking brake is engaged.
- Disconnect the negative terminal of the battery to prevent accidental electrical issues.
- Allow the engine to cool down before beginning work.
- Wear appropriate personal protective equipment, including gloves and eye protection.

2.2 Removal of Old Cable

1. Locate the throttle body and the accelerator pedal assembly. The throttle cable connects these two components.
2. At the throttle body end, carefully disconnect the cable from the throttle linkage. This usually involves unhooking a barrel-shaped end from a lever.
3. Loosen any retaining nuts or clips that secure the cable housing to the throttle body bracket.
4. Follow the cable's path through the firewall into the passenger compartment.
5. At the accelerator pedal end, disconnect the cable from the pedal mechanism.
6. Carefully pull the old cable out, noting its routing to ensure the new cable is installed correctly.



Figure 2: One end of the throttle cable, showing the connection point. This view highlights the cable's termination, which connects to either the throttle body or the accelerator pedal.

2.3 Installation of New Cable

1. Route the new Tivora throttle cable through the firewall, following the exact path of the old cable. Ensure it is not kinked or pinched.
2. Connect the cable end to the accelerator pedal mechanism inside the vehicle.
3. At the engine bay, connect the other end of the cable to the throttle body linkage.
4. Secure the cable housing to the throttle body bracket using the retaining nuts or clips.
5. Adjust the cable tension. There is typically an adjustment mechanism (often a threaded section with nuts) near the throttle body. The cable should have a small amount of slack (free play) when the pedal is at rest, usually 1-2mm, to prevent the throttle from being held open. Consult your vehicle's service manual for precise specifications.
6. Once adjusted, tighten all retaining nuts securely.



Figure 3: Close-up view of one end of the throttle cable, showing the threaded section and adjustment nuts. This part is crucial for setting the correct cable tension.



Figure 4: Close-up view of the opposite end of the throttle cable, featuring a protective rubber boot. This end typically connects to the accelerator pedal.

2.4 Post-Installation Check

- Reconnect the battery.
- Start the engine and check for proper throttle response. The engine RPM should increase smoothly and return to idle quickly when the pedal is released.
- Ensure the throttle plate fully closes when the accelerator pedal is released.
- Check for any binding or sticking in the cable's movement.

3. OPERATION

The throttle cable is a mechanical link between the accelerator pedal and the throttle body. When the accelerator pedal is pressed, the cable pulls on the throttle linkage, opening the throttle plate. This allows more air into the engine, which, combined with fuel, increases engine speed and power. Releasing the pedal allows the throttle plate to return to its closed (idle) position, reducing airflow and engine speed.

4. MAINTENANCE

Regular inspection and minor maintenance can extend the life of your throttle cable and ensure optimal performance.

- **Periodic Inspection:** Visually inspect the cable and its housing for any signs of fraying, cracking, or damage to the rubber casing. Check the connection points at both the throttle body and accelerator pedal for looseness or wear.
- **Lubrication:** If the cable feels stiff or sticky, a small amount of cable lubricant can be applied to the ends where the inner wire exits the housing. Avoid over-lubrication, which can attract dirt.
- **Cleanliness:** Keep the area around the throttle body and cable connections clean to prevent dirt and debris from interfering with cable movement.
- **Adjustment Check:** Periodically check the cable's free play to ensure it remains within the manufacturer's specifications (typically 1-2mm). Readjust if necessary.

5. TROUBLESHOOTING

If you experience issues related to throttle response, the cable may be a contributing factor. Here are some common problems and potential solutions:

Symptom	Possible Cause	Solution
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Symptom	Possible Cause	Solution
Stiff or Sticky Accelerator Pedal	Friction in cable, dirt/debris in housing, worn cable.	Lubricate cable, clean connections, inspect for damage. Replace if worn.
Delayed Throttle Response	Excessive slack in cable, worn cable, throttle body issues.	Adjust cable tension, inspect cable for stretching. Check throttle body.
Engine Idles Too High/Low	Incorrect cable tension (too tight/loose), throttle plate not fully closing/opening.	Adjust cable tension to ensure proper free play and full throttle plate closure.
Cable Fraying or Breaking	Age, wear, improper routing, material fatigue.	Immediate replacement is required. Ensure correct routing.

If troubleshooting steps do not resolve the issue, it is advisable to consult a qualified automotive technician.

6. SPECIFICATIONS

Attribute	Value
Brand	Tivora
Manufacturer Part Number	MKD611
Compatible Part Numbers	17910-SH3-A91, 17910SH3A91
Item Weight	7.1 ounces
Package Dimensions	9.65 x 7.09 x 0.79 inches
First Available Date	September 21, 2024

7. WARRANTY AND SUPPORT

For any questions regarding the Tivora Throttle Cable Wire, including installation assistance or product inquiries, please contact the seller or manufacturer directly through the platform where the purchase was made. Please refer to your purchase documentation for specific warranty terms and conditions, as these may vary.

For general automotive repair guidance, consider consulting reputable online resources or a certified mechanic.

