

Spartar AIN0094

Spartar 24" Universal Throttle Cable Instruction Manual (Model AIN0094)

Comprehensive guide for installation, operation, and maintenance of your Spartar 24" Universal Throttle Cable.

Product Overview	Specifications	Setup & Installation	Operation	Maintenance
	Troubleshooting	Warranty & Support		

1. PRODUCT OVERVIEW

The Spartar 24" Universal Throttle Cable is designed as an automotive replacement part for accelerator systems. It features a stainless steel braided covering, aluminum fittings, and ferrules for durability and smooth operation. This cable is designed to be adaptable to various applications, allowing for custom length adjustments.



Figure 1: Spurtar 24" Universal Throttle Cable Kit, including the braided cable, fittings, wrench, and gloves.

Key Features:

- **Universal Fitment:** Designed to fit most applications with a "U-cut-to-fit" stainless inner wire for length customization.
- **Durable Construction:** Features a 304 stainless steel braided cable cover and aluminum fittings/ferrules to prevent fraying.
- **Adjustable Design:** Easily trimmed for a customized length to suit specific engine and pedal configurations.
- **Smooth Operation:** Special extruded lining enhances the service life and ensures smooth cable action.

24" Braided Stainless Steel Throttle Cable

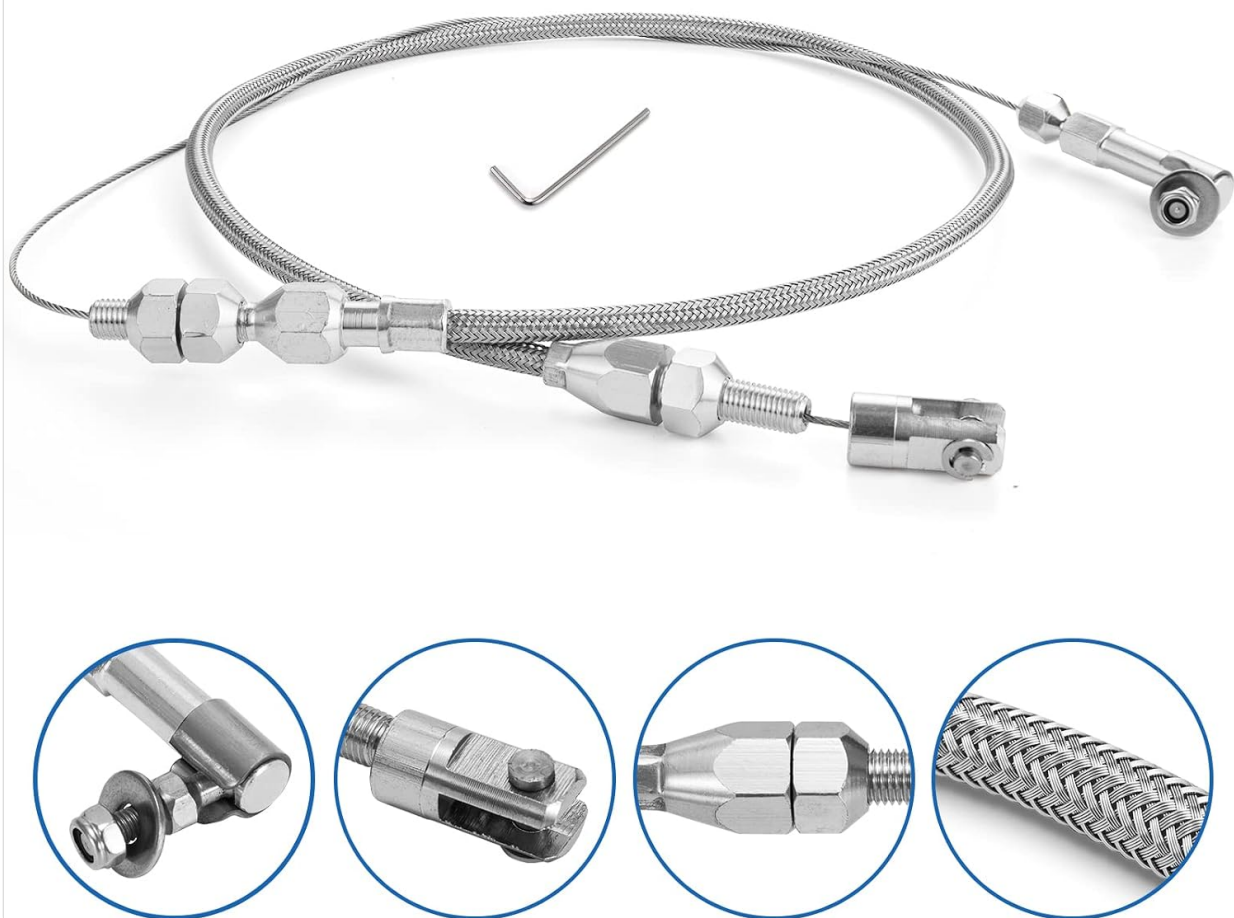


Figure 2: Detailed view of the throttle cable components, highlighting the ferrule, adjuster nuts, inner wire, and carb end assembly.

2. SPECIFICATIONS

Feature	Detail
Brand	Spurtar
Model Number	AIN0094
Cable Length	24 inches (60 cm)
Inner Wire Length	Approximately 44 inches (111.7 cm)
Material	Stainless Steel (braided cover, inner wire), Aluminum (fittings, ferrules)
Exterior Finish	Chrome
Item Weight	6.5 ounces
Package Dimensions	9.17 x 9.13 x 0.83 inches

Position	Front
Included in Package	1x 24 inch throttle cable, 1x wrench, 1x pair of gloves

0.5" / 1.27 cm

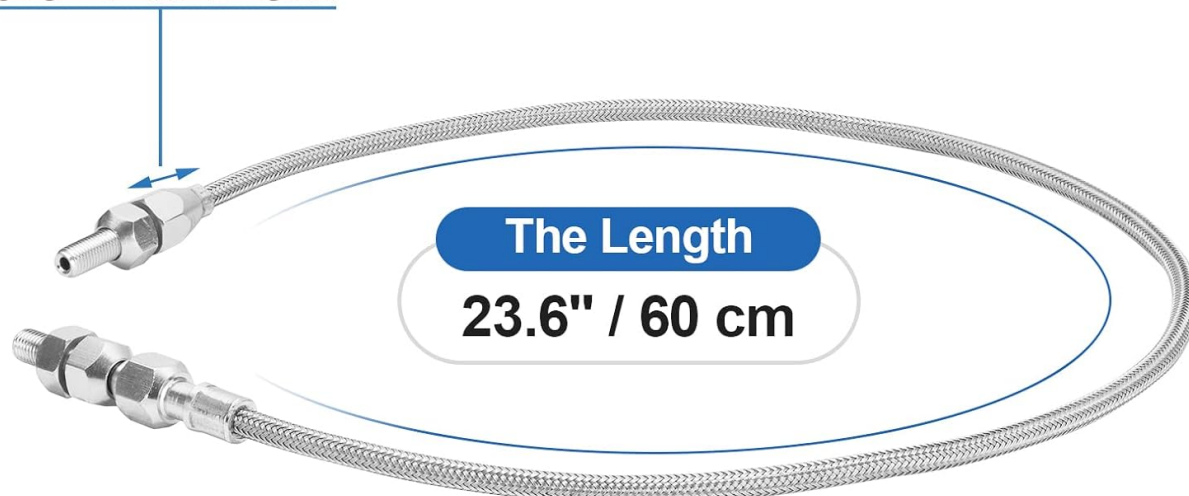


Figure 3: Dimensions of the Spurtar 24" Universal Throttle Cable, indicating the outer cable length and the inner wire length.

3. SETUP & INSTALLATION

Proper installation of the Spurtar Universal Throttle Cable is essential for safe and reliable vehicle operation. Always ensure the engine is off and the vehicle is stable before beginning any work.

3.1. Preparation

- Review all components included in the kit: throttle cable, wrench, and gloves.
- Wear the provided gloves to protect your hands during installation.
- Identify the existing throttle cable and its connection points on both the accelerator pedal and the carburetor/throttle body.

Package Include



1X Wrench



1X Pair Gloves



Figure 4: The Spurtar throttle cable kit contents, including the cable, adjustment wrench, and protective gloves.

3.2. Disassembly and Customization

The Spurtar throttle cable is designed to allow for custom length adjustments of the inner wire. This involves disassembling the cable ends, cutting the inner wire to the desired length, and then reassembling.

1. Carefully remove the existing throttle cable from your vehicle.
2. Measure the required length for your new throttle cable, considering the routing path and connection points.
3. Using the provided wrench, loosen the set screws on the cable ends to allow for disassembly.
4. Once disassembled, the inner wire can be pulled out from the outer braided housing.
5. Cut the inner wire to the desired length. It is recommended to use a specialized cable cutter to prevent fraying.
6. Reassemble the cable ends onto the newly cut inner wire and housing, ensuring all components are securely fastened.

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Video 1: This video demonstrates the disassembly and reassembly process for customizing the Spurtar throttle cable inner wire length.

3.3. Installation into Vehicle

1. Route the new throttle cable through the firewall and to the accelerator pedal and carburetor/throttle body, mimicking the path of the original cable.
2. Connect the cable end to the accelerator pedal mechanism.
3. Connect the carb end assembly to the carburetor or throttle body linkage.
4. Adjust the throttle cable adjuster nuts to achieve the correct tension and ensure full throttle opening and proper idle return. There should be a small amount of slack at idle to prevent binding.
5. Verify smooth operation of the accelerator pedal and throttle linkage.

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Video 2: This video illustrates the installation of a universal throttle cable into an engine bay, showing routing and connection points.

4. OPERATION

Once installed and adjusted, the Spurtar Universal Throttle Cable operates in conjunction with your vehicle's accelerator pedal and engine throttle mechanism. Its primary function is to transmit pedal input to the throttle, controlling engine speed.

- **Smooth Pedal Feel:** The cable is designed to provide a smooth and responsive connection between the accelerator pedal and the throttle.
- **Full Throttle Engagement:** Ensure that pressing the accelerator pedal fully opens the throttle body/carburetor butterflies without binding.
- **Idle Return:** When the accelerator pedal is released, the throttle should return completely to its idle position without sticking.

Important: Always test the throttle operation thoroughly before driving the vehicle. Ensure the throttle returns to idle freely and does not stick at any position.

5. MAINTENANCE

Regular inspection and minor maintenance can extend the life and ensure the reliable operation of your Spurtar Universal Throttle Cable.

- **Periodic Inspection:** Regularly check the entire length of the cable for any signs of wear, fraying, kinks, or damage to the braided housing.
- **Lubrication:** Periodically apply a suitable cable lubricant to the inner wire, especially where it enters the housing and at the connection points, to maintain smooth operation and prevent corrosion.
- **Connection Check:** Ensure all fittings, nuts, and set screws remain tight and secure. Loose connections can lead to improper throttle response or cable failure.
- **Cleanliness:** Keep the cable and its connection points free from dirt, grime, and debris, which can impede smooth movement.

6. TROUBLESHOOTING

If you experience issues with your Spurtar Universal Throttle Cable, consider the following common problems and solutions:

Problem	Possible Cause	Solution
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Throttle sticks or does not return to idle.	◦ Cable too tight. ◦ Cable binding or kinked. ◦ Lack of lubrication. ◦ Debris in cable housing.	◦ Loosen adjuster nuts slightly to add slack. ◦ Inspect cable routing for kinks or obstructions. ◦ Lubricate inner wire. ◦ Clean cable and housing.
Incomplete throttle opening.	◦ Cable too loose. ◦ Improperly seated cable ends.	◦ Tighten adjuster nuts slightly to remove slack. ◦ Verify cable ends are fully engaged in their respective mechanisms.
Cable fraying at ends.	◦ Improper cutting technique. ◦ Loose ferrules/fittings.	◦ Ensure proper cutting tools are used (e.g., specialized cable cutters). ◦ Tighten ferrules and fittings securely.
Inability to separate ferrule from adjuster nut for cutting outer housing.	◦ For the 24-inch model (AIN0094), the ferrule and adjuster nut on one end are designed as a single, non-separable unit.	The 24-inch Spurtar throttle cable (Model AIN0094) features a ferrule and adjuster nut that are permanently joined on one end. This design prevents separation for custom cutting of the outer braided housing at that specific end. If custom cutting of the outer housing is required at both ends, this model may not be suitable. The inner wire can still be cut to length as described in Section 3.2.

7. WARRANTY & SUPPORT

Specific warranty information for the Spurtar 24" Universal Throttle Cable (Model AIN0094) is not provided in this manual. For detailed warranty terms, product support, or to inquire about replacement parts, please refer to the product packaging or contact Spurtar customer service directly.

You may also visit the official Spurtar store on Amazon for additional information: [Spurtar Store](#)