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> Dent Fix DF508 Wiggle Wire 1/2 Lb Instruction Manual

## Dent Fix DF508

# Dent Fix DF508 Wiggle Wire 1/2 Lb

## INSTRUCTION MANUAL

### 1. Product Overview

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The Dent Fix DF508 Wiggle Wire is a specialized consumable designed for use with resistance spot welders in automotive body repair. It facilitates the pulling of dents by providing multiple attachment points for effective and controlled panel manipulation. This annealed wire is engineered for optimal flexibility and strength during the dent pulling process.

### 2. Safety Information

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Always prioritize safety when performing automotive repairs. Adhere to the following guidelines:

- Wear appropriate personal protective equipment (PPE), including safety glasses, gloves, and a welding helmet if using a spot welder.
- Ensure adequate ventilation in the work area to prevent inhalation of fumes.
- Disconnect power to the spot welder when changing accessories or performing maintenance.
- Keep the work area clean and free of obstructions.
- Refer to the operating manual of your specific resistance spot welder for additional safety instructions.

### 3. Package Contents

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The Dent Fix DF508 package contains:

- 1/2 Lb of Dent Fix Wiggle Wire (DF508)



**Figure 1:** A close-up view of the Dent Fix Wiggle Wire, showing its characteristic corrugated shape. This design allows for multiple contact points when welded to a panel, enhancing its effectiveness in dent pulling.

## 4. Setup

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To prepare the Wiggle Wire for use with a resistance spot welder:

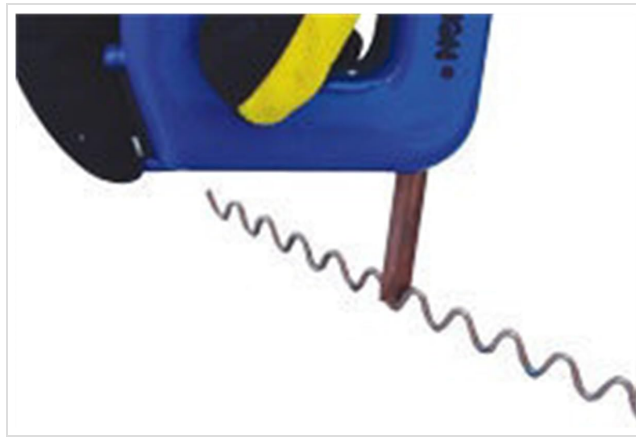
1. Ensure your resistance spot welder is powered off and unplugged.
2. Select the appropriate welding tip for your spot welder, typically a specialized tip designed for attaching pulling accessories.
3. Insert one end of the Dent Fix Wiggle Wire into the designated holder or chuck on your spot welder's pulling attachment. Ensure it is securely fastened.
4. Verify that the wire extends sufficiently from the attachment to cover the dented area you intend to repair.

## 5. Operating Instructions

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Follow these steps for effective dent pulling using the Dent Fix Wiggle Wire:

1. **Prepare the Panel:** Clean the dented area thoroughly to remove any paint, rust, or contaminants that could interfere with the welding process. A clean metal surface is crucial for a strong weld.
2. **Position the Wire:** Place the Wiggle Wire over the dented area, ensuring it covers the extent of the damage. The corrugated shape allows for multiple contact points.
3. **Weld the Wire:** Using your resistance spot welder, apply the welding tip to the Wiggle Wire at various points across the dent. Activate the welder to create secure spot welds that attach the wire to the panel. Work from the edges of the dent towards the center for best results.
4. **Pull the Dent:** Once the wire is securely welded, use a slide hammer or a pulling bridge attachment that connects to the Wiggle Wire. Apply controlled, gradual force to pull the dent outwards. Avoid excessive force that could over-pull the metal or break the welds.
5. **Remove the Wire:** After the dent is pulled to the desired level, carefully remove the Wiggle Wire. This can often be done by twisting or cutting the wire close to the welds, then grinding down any remaining weld spots.



**Figure 2:** The Dent Fix Wiggle Wire attached to a resistance spot welder's pulling attachment, ready for welding onto a vehicle panel. This illustrates the typical setup for dent repair operations.

## 6. Maintenance

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Proper maintenance ensures the longevity and performance of your Wiggle Wire supply:

- **Storage:** Store unused Wiggle Wire in a dry environment to prevent corrosion. Keep it in its original packaging or a sealed container.
- **Handling:** Handle the wire carefully to avoid kinks or damage that could affect its performance during welding and pulling.
- **Disposal:** Dispose of used wire segments and any metal shavings responsibly, following local regulations for metal waste.

## 7. Troubleshooting

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If you encounter issues during the use of the Wiggle Wire, consider the following:

- **Poor Weld Adhesion:** Ensure the panel surface is clean and free of paint or rust. Adjust the settings on your spot welder according to the manufacturer's recommendations for the material thickness. Check for proper contact between the welding tip, wire, and panel.
- **Wire Breaking During Pulling:** This may indicate excessive force or insufficient welds. Increase the number of weld points or reduce the pulling force. Ensure the wire is not kinked or damaged before welding.
- **Difficulty Removing Wire:** If the wire is difficult to remove after pulling, ensure you are using appropriate cutting or twisting techniques. Avoid damaging the panel surface during removal.

## 8. Specifications

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Attribute	Detail
Model Number	DF508
Brand	Dent Fix
Item Weight	8 ounces
Finish Type	Annealed
Product Dimensions	12.34 x 1.12 x 1.12 inches
UPC	811662030201

Manufacturer	Dent Fix
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## 9. Warranty Information

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For detailed warranty information regarding the Dent Fix DF508 Wiggle Wire, please refer to the official Dent Fix website or contact their customer support directly. Warranty terms and conditions may vary.

## 10. Customer Support

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If you require further assistance, have questions about the Dent Fix DF508 Wiggle Wire, or need technical support, please visit the official Dent Fix website or contact their customer service department. Contact information can typically be found on the manufacturer's packaging or website.