



# RUST BUSTER

## RB7003L & RB7003R Leaf Spring Frame Section 1997-2003 Ford F-150 Single Cab & Super Cab



### REQUIRED TOOLS

Jack Stands or Lift  
Mig Welder  
Paint/Primer  
Hand Grinder  
Cutting Wheel or Torch  
Welding Gloves  
Welding Hood/Shield  
Ear & Eye Protection  
Sockets & Wrench  
Fire Extinguisher  
C-Clamps  
Hammer  
Punch  
Wrench

### KIT CONTAINS

Leaf Spring Frame Section  
M10 Flanged Hex Screw  
M10 Flange Locknut

### QTY

1  
7  
7



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### 1) PREPARING YOUR VEHICLE

Begin by disconnecting your battery prior to starting your installation.

Inspect your vehicle for leaking fuel lines, fuel tank and engine components. If you have fuel leaks repair all leaks prior to starting your installation. If your fuel tank is near your welding area **remove your tank prior to welding.**

Remove all combustible items above the work area such as seats, carpets, padding, etc.

**Keep all flammable materials away from the vehicle work area.**

### 2) PREPARING YOUR WORKSTATION

Keep a fire extinguisher close by in the case of fire and make sure you always have a designated "Fire Watch" to assist during the cutting or welding phases.

Abide by all apprenticed welding safety standards and practices.

Always use appropriate welding eye protection, ear protection, and work and fire safety gloves during the installation and within the work area.



### WARNING!

If you are unsure on how to perform the installation or how to operate any of the required tools listed above, it is **HIGHLY** advised that you enlist the work of a certified welder/installer.

Failure to follow proper safety precautions and instructions may result in serious injury. **The user assumes all liability when installing the product.**



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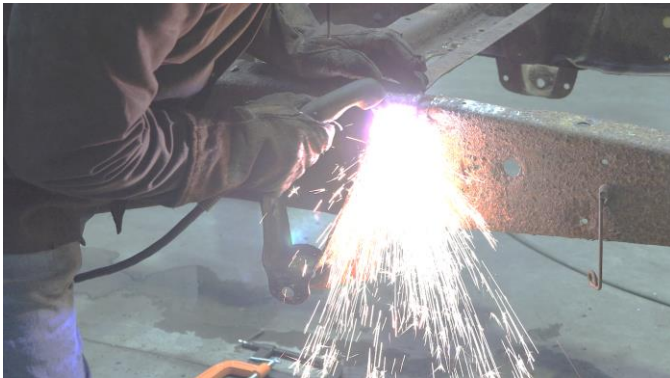
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### 3) PREPARING FOR YOUR INSTALL

Lift or remove the cab from your frame. Remove or protect any fuel lines, brake lines, and wiring harnesses.

### 4) CUT

Cut and punch out the rivets retaining your leaf spring hanger and spare tire crossmember

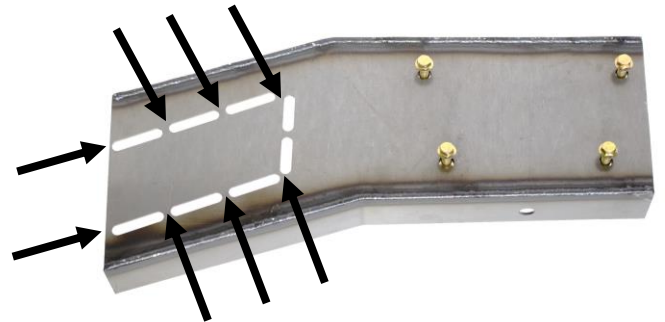


After removing your rivets, grind down the frame free of rust and debris, revealing bare metal.

Spray the work area with a weld-through primer to help prevent against rust development.



Take your leaf spring frame section and relieve the top and bottom perforations on your perforated plate. This will allow your frame section to fit over the raised bump on your frame rail.



Then, bend the plate outwards so it will sit over the bump on your frame rail.







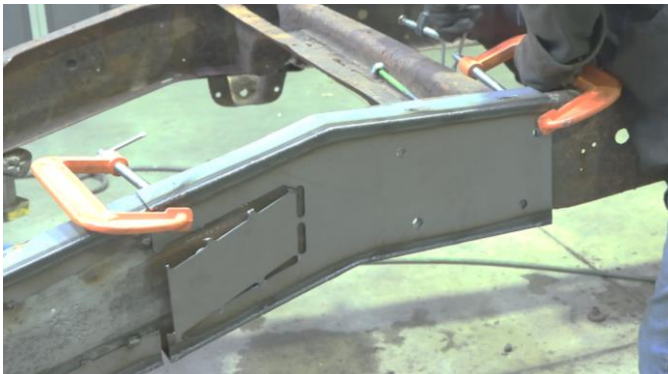
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Slide your leaf spring frame section onto the frame using the frame holes to help with the alignment. Tap it into place using a hammer.



You can clamp your part into place with a c-clamp to ensure a tight fit.



### 5) **WELD**

Following proper welding procedures, tack weld your leaf spring frame section onto the frame before welding it on fully.



Then, clamp your plate against the frame using a c-clamp, followed by welding the plate into place.





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### 6) REINSTALL

After welding on your frame section, reinstall the leaf spring hanger using the provided hardware. Tighten it with a 14mm socket and a 15mm wrench.



Use the remaining hardware to reinstall the end of your spare tire crossmember on the top and bottom of your frame rail.



### 7) PAINT

Paint the part with primer or other rust inhibitor to help prevent or reduce the risk of rust formation.

We recommend our Rust Buster Rust Converter & Primer Spray Paint (RB9917).

