



**RUST
BUSTER**
FRAMEWORKS

RB5052R & RB5052L

**Jeep® JK Wrangler
Rear Trailing Arm Section**



REQUIRED TOOLS

Jack Stands or Lift
Mig Welder
Paint/Primer
Locking Pliers
Hand Grinder
Cutting Wheel or Torch
Welding Gloves
Welding Hood/Shield
Ear & Eye Protection
Sockets & Ratchet
Fire Extinguisher
Large C-Clamps
Dead Blow Hammer
Body Clip Removal Tool

KIT CONTAINS

Rear Trailing Arm Section
Flanged Hex Bolt x90mm
Flanged Hex Bolt x100mm
M14 Hex Nut

QTY

1
1
1
1



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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 and water 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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3) PREPARING FOR YOUR INSTALL

Lift your vehicle and support your rear axle with jack stands.



LIFT IS NOT REQUIRED, BUT RECOMMENDED

Remove your rear bumper, rear wheels, any inner fender liners, and any factory or aftermarket accessories that would pose as a fire hazard or prevent access to the work area.

Remove your muffler.

With a 10mm socket, remove the bolt for your brake line bracket and push it out of the way.



With a 5/8 socket, remove the 2 bolts from each sway bar bracket to relieve tension on the axle.



Hold the part up to the frame to get an idea of your work area.



With a 21mm socket, remove the bolts securing both your upper and lower control arms, followed by an 18mm socket to remove the nearby body mount bolt and bushing.

Next, depending on how you intend to cut, clean the work area of rust and debris.



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Begin cutting away the upper and lower control arm.



The body mount bracket will need to be removed for this installation. Should you choose to reuse it, be sure to retain as much of the original material as possible.

Hold the part up to the frame again. With a marker, mark you left and right limits, as well as the original body mount bracket location.



Within that zone, mark off how much frame you wish to remove, while still retaining a safe amount to weld with.

4) **CUT**

Begin cutting and removing the section by following your drawn line.



5) **TEST FIT PART**

Attempt to push the part into place to test the location of the bolt holes, and to test if the control arms rest at the proper angle.





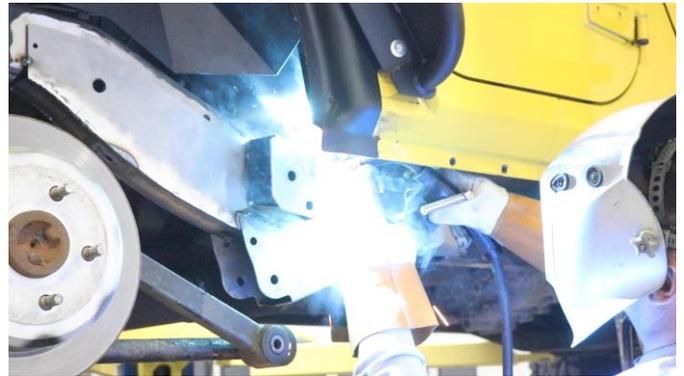
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Continue to grind away any rough edges and attempt to push the part into place again, followed by C-clamping it in.



Once secured, use the existing body mount bolt location to help align your old or new body mount bracket to weld it back into place.



6) **WELDING PREP**

Once the part has been fitted, prepare your weld zones by clearing away any rust or debris, revealing bare metal.

(OPTIONAL): Coat the part with a weld-able primer or other rust inhibitor to help prevent or reduce the risk of rust formation.

Replace the part and C-clamp and tack weld it into place to prevent it from moving later.

7) **WELD**

Remove any remaining potential fire hazards on both the vehicle and surrounding area. Following proper welding procedures begin welding the part onto the frame rails.

100% weld around all edges.

8) **PAINT AND PROTECT**

If you chose not to protect your frame section in (Step 6), coat the part and work area with a primer or other rust inhibitor to help prevent or reduce the risk of rust formation.

9) **REASSEMBLE VEHICLE**

Begin reassembling your vehicle starting with your body mount bushing and bolt.

Reinstall your sway bar brackets.
Reinstall your brake line.
Reinstall your wheels and any accessories.
Reconnect your battery.