



**RUST
BUSTER**
FRAME REPAIR

RB4010L

**Jeep® TJ Wrangler
Rear Control Arm Mount 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 & Water

KIT CONTAINS

Rear Control Arm Mount Section
M10 – 1.5 X 75mm Hex Bolt
M14 – 2.0 Nyloc Nut
M14 Flat Body Washer
M14 – 2.0 100mm Hex Bolt

QTY

1
1
1
2
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.

Remove the rear wheels and set them out of the way.

Support your rear axle using two jack stands for the driver and passenger sides.

Drop and remove the gas tank and all cords and tubes associated with it, and plug/cover the remaining tubes to prevent fume leakage. Place it safely outside of your workstation as it poses a fire hazard during installation.

Remove lower control arm bolt using a 21mm socket and 21mm wrench.



Remove upper control arm bolt using 15mm socket.



Rotate control arms down and out of the way. This may require you to loosen the axle side bolts.

Remove upper sway bar end link bolt using an 18mm socket.



Mark down 1.5 inches from the top of the frame rail, on the inside and outside. You will need to cut off the frame side upper control arm mount on the inside of the frame rail.



Depending on how you intend to cut, clean the cut zones free of rust and down to bare metal.



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4) **CUT**

Begin cutting away the frame rail along the drawn line.



Grind all cut edges smooth for easier fitment.

5) **TEST FIT PART**

Attempt to push the part into place and over the frame rails. Take note of any difficulties and cut away any obstructions.



The part may fit snugly and require force.

NOTE: If other frame repair components have been installed previously, additional modifications to the frame may be required.

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.





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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 part 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 by starting with the lower control arm, upper control arm, and sway bar end link.

Reinstall your gas tank, cords, and tubes.

Reinstall your wheels.

Reconnect your battery.