



## Rubber Re-Bushing kit for control arms - Installation Instructions

Part #2290000

### Cars applicable:

'68 – '89 911/912/930 and 914

### Parts list:

Qty	Description
4	Rubber bushing
1	Pilot tool
1	Stop tool

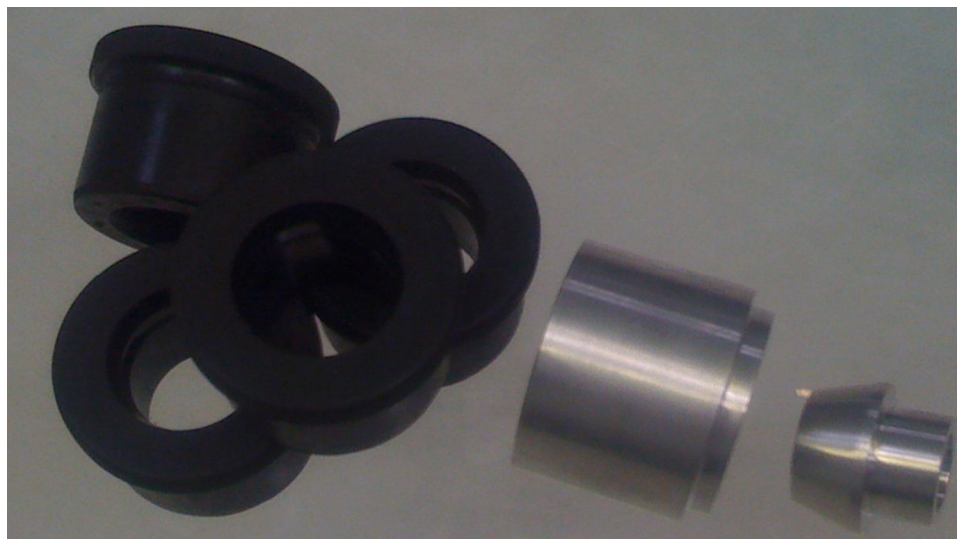
### Additional items required

- Bench vise
- Sturdy pipe clamp
- Liquid Soap
- Propane torch
- Long screw driver
- Angle finder or digital level
- Vice-Grip pliers

### Introduction –

This kit provides the parts and tools for replacing the factory rubber control arm bushings.

We recommend you watch the how-to installation video available at our website [www.elephantracing.com](http://www.elephantracing.com)



**Bushings**

**Stop Tool**

**Pilot Tool**

## Step-by-Step Installation –

1 – Watch the how-to installation video at [www.elephantracing.com](http://www.elephantracing.com)

2 – Remove the old rubber bushings from control arms.

With control arms removed from car, secure control arm in a bench vise. Heat metal mounts using a propane torch for a couple minutes. Use a large screwdriver as a lever arm to twist the metal mounts off the control arm. If they are very hard to twist apply a bit more heat.

Perform this step for all front and rear metal mounts.



3 – Press the rubber bushings into the control arm mounts.

Use liquid soap to lubricate the outside of a rubber bushing. Push it into the mount until fully seated. Hand pressure is usually adequate or you can use body weight (under foot).

The bushing flange must be fully seated against the metal mount.

Note - Perform this step for each front and rear mount shortly before pressing each on. If you wait too long (1 hour +) between this step and the subsequent pressing operation, the soap will dry and the pressing will not proceed well.



4 – Press on front mount.

Fit the stop tool into the end of the front mount.

Use liquid soap to generously lubricate both the rubber bushing ID, and the control arm. Thoroughly distribute the soap over the entire surface area. Be sure to keep this wet and lubricated throughout the process.

Secure the control arm in a bench vice, omitted in the pictures for visual clarity.



Position the bushing/mount/stop tool on the front of the control arm. Note the spacers welded to the mount must face up.

Position a pipe clamp with one end on the stop tool and the other on the back of the control arm. Tighten the pipe clamp, forcing the bushing/mount/stop tool onto the front of the control.

Do not over-tighten the pipe clamp. Once the flange of the bushing is fully seated, stop tightening or the bushing may be forced out of the mount.

Remove the stop tool.



5 – Press on rear mount.

Fit the pilot tool into the rear of the control arm as shown.

Use liquid soap to generously lubricate the rubber bushing ID, the control arm and pilot tool. Thoroughly distribute the soap over the entire surface area. Be sure to keep this wet and lubricated throughout the process.

Position the bushing/mount/stop tool on the rear of the control arm. Note the “U” shaped loop must face to the outside (towards ball joint end). Note the “U” shaped loop has a wide end and narrow end. The wide end must face up.

Secure the control arm in a bench vice, omitted in the pictures for visual clarity.

Position a pipe clamp with one end on the stop tool and the other on the front of the control arm. Tighten the pipe clamp, forcing the bushing/mount/stop tool onto the rear of the control.

Do not over-tighten the pipe clamp. Once the flange of the bushing is fully seated, stop tightening or the bushing may be forced out of the mount.

Remove the stop tool and the pilot tool.



### 6 – Index the front and rear mounts

Secure the control arm in a bench vise.

Ensure the flat portion of the control arm is, and remains level.  
Use a digital level or angle-finder .

Using a screwdriver as a pry bar, rotate the front mount such that it forms an 20-21 degree angle with the control arm as shown.  
Place your digital level on the flat portion of the front mount.

Note left and right must mirror each other.

Note the spacers welded to the control arm face up.

Do not allow the bushing to slide off while indexing. If it should begin to slide off, use a vise grip pliers to pinch the flanges together to reseat the bushing.

Using a screwdriver as a pry bar, rotate the rear mount such that the flat end of the “U” shaped loop forms a 14-15 degree angle.  
Position digital level to measure as shown.

Note left and right sides must mirror each other.

Note the “U” shaped loop must face to the outside (ball joint end).

Note the “U” shaped loop has a wide end and narrow end. The wide end must face up.



### 7 – Let dry

Do not handle the control arms for 24 hours. This allows the soap to dry and avoids accidental rotation or slippage.



