



DM

1/11/05

E30 REAR SWAY LOWER LINK REINFORCEMENT

PART # TSU-30-75-305

Thank you for your purchase of the TMS rear swaybar lower reinforcement kit for all BMW E30 3-series. We have developed this kit after years of research and development both on the track and on the street. We have experienced failure of the stock mounting point and worked out a solution that eliminates this problem. These guidelines will help you when installing this kit. **Requires Welding.**

This product reinforces the metal swaybar link mounting point on the rear trailing arm. The sheet metal breaks off the trailing arm due to the constant up and down loads being placed on the trailing arm from the swaybar. Problems increase when larger sway bars are used. This product eliminates the problem by thickening the sheet metal and triangulating the mounting point.

Parts list for kit:

- One right side Reinforcement
- One Left side Reinforcement

Applications: 1983 - 1992 (E30 3- series and M3)

When would it be a good time to perform this work on my car?:

You can save time if you are doing any rear suspension work, exhaust, or even if you are just doing a differential fluid change.

Install time: 1 hour

Directions:

Notes: Trailing arm was removed for instruction photography; it is not necessary to remove your trailing arms when installing this kit

1. Properly lift and support the car to access the rear trailing arm
2. Remove sway bar link bracket from trailing arm and swing up the sway bar out of the way. Remove or cover with leather any Brake line, plastic or rubber parts that may melt or burn while welding.
3. Cut the small lip off the trailing arm (see figure 1 and 2).
4. Prep Surfaces for welding by removing any paint from trailing arm (see figure 3).

5. Clamp the reinforcement in place. Make sure the bolt hole of the reinforcement is lined up with the bolt hole of the trailing arm sway bar mounting point. In this picture we used a nut and blot to clamp the reinforcement to the trailing arm. (see figure 4).
6. Weld reinforcement in place as shown and let cool (see figure 5).
7. Primer and Paint bare metal surfaces and let dry (see figure 6).
8. Assemble sway bar and any other parts removed from car and road test.

