



PART # T-SU-99-75-002

TMS Camber Arm Reinforcement Kit

This TMS reinforcement kit is used to reinforce the stock rear lower camber arms just like BMW Motorsport does for its own production-class racing efforts. Factory camber arms are made to bend or split above certain loads to break in the event of an accident to help absorb the impact. Under race applications these loads can be exceeded under normal cornering forces. A main benefit of using the stock camber arms is that many racing classes allow for reinforcement of this part, and it increases the overall strength of the suspension.

We offer camber arms with the reinforcement already performed. However, with welding experience, this kit can easily be installed by you. These arms differ from our own adjustable camber arms in that you can still use a streetable bushing on either end making it great for dual purpose street/track cars. They are ideal for racing classes that do not allow for alternate suspension components but do allow for alternate bushing materials. Additionally, the factory control arm is much lighter than most aftermarket camber arms, helping reduce the total unsprung weight.

KMAC bushings are recommended if more camber adjustment is desired.

Parts list for kit:

- 4 tapered steel reinforcement pieces.
- 1 12mm wave washer

Reinforcement time: 1 hour (welding is required)

Directions:

1. After the rear camber arms have been removed, clean off the paint on each side of the arm to eliminate weld contamination.
2. Insert stock bushing on wide side of camber arm with a wave washer on one side of the bushing to properly space and allow for shrinkage. If the bushing is not removed from car refer to step 4a.



3. Align the reinforcement to evenly cover the split in the camber arm. Place the reinforcement 3 ½" from the wide end of the arm.



4. Clamp reinforcement and weld 1" seams (6 to 8) on each side.
4a. Replace arm on the outer wheel hub with wave washer inbetween. Weld 1-2 seams on each side on the wide end of the camber arm. Remove and continue welding entire arm.



5. Repeat for each side and each camber arm.
6. Clean welds. Paint and prime each welded area. Spray paint the inside of the camber arm to avoid premature rust. Use a body undercoating to help against stone chips or harsh weather.
7. Reinstall camber arms.