



**PART # DELRIN DIFF E36
TDR3680001**

TMS E36 Aluminum/Delrin Differential Mount

For street and track use

TMS E36 solid differential bushings are designed around SCCA SPEED World Challenge regulations and have years of street and track testing to prove their performance. Replacing your differential's rubber mounts with this kit will result in a snappier feel when cornering and better suspension performance. This kit will also prevent the front differential mount bolt from loosening up - a very common problem with the E36. The rear two differential cover bushings are slotted to allow for compliance between manufacturing standards as BMW specifies. These bushings are CNC machined from high-grade billet aluminum and Delrin.

Applications: 1992 - 1999 318i/323i/325i/328i/M3 Sedan (E36)

Parts list for kit: 2 Aluminum differential cover bushings
1 Delrin with aluminum sleeve subframe bushing

Install time: 3 Hours

Note: These bushings have a tight tolerance press fit. When pressing in, give the part a small adjustment period between pumps. If part gets bound up, release pressure, check for interferences or problems and test again.



Directions:

1. Properly lift and support the car to access the differential.
2. Remove differential from car
3. Remove differential cover and clean all sealing surfaces.
4. Press out old bushings from cover.
5. Install new diff cover bushings
 - Each bushing needs to be pressed in from the rear of the cover (the side of the bushing with a flange is closest to the spare tire well when on car)
 - The slotted bushings align so that the slots are (parallel to the ground and chassis)
 - Use a small amount of lube to ease fitment
 - Stop press when the flanges of the bushing are flush to the subframe. Do not attempt to press in any further.
6. Install cover on differential
 - Install cover with a new gasket or RTV silicone.
 - If you have 8.8 grade bolts, torque differential cover bolts to 45N-m (33ft-lb)
 - If you have 10.9 grade bolts, torque differential cover bolts to 90N-m (66ft-lb)
7. Remove subframe differential bushing
8. Install Delrin bushing
 - Install taper side of bushing toward rear of car
9. Install differential in car
 - Torque differential cover bolts to subframe 77N-m (57ft-lb)
 - Torque front differential bolt to 95N-m (70ft-lb)