

PART # TSU9090001

Turner Motorsport Rack Stops (40mm Total)

E82, E90, E92, E93 (Not for cars with EPS) (Not XI)

Fitment Notes:

- A) Not for cars with Electric Power Steering or Active Steering
- B) Not for AWD Xi models

Whether it is installing new wider wheels, tires, brake ducts, shocks, or springs, there could be a rubbing issue on the inside of your fender well. Our rack stops will help protect your investment. You can save the costs of replacing rubbing tires, worn out brake ducts, cut shock reservoir hoses, and broken underside plastic panels. There is also the added benefit of knowing you can turn the steering wheel to full lock and not be worried that the wheels will rub.

Our rack stop width is the approximate distance that will be removed from the tire travel inside the fender well. At full lock the inside sidewall of the tire will be further away from the inside wheel well, giving more tire clearance and reducing rubbing. For example, if a 20mm rack stop is used, there will be 20mm more clearance between the fender well and the edge of the tire.

Parts list for kit: 2 Delrin rack stops
2 Zip ties

Install time: 45 minutes.

If installed properly, an alignment is not required.

Directions:

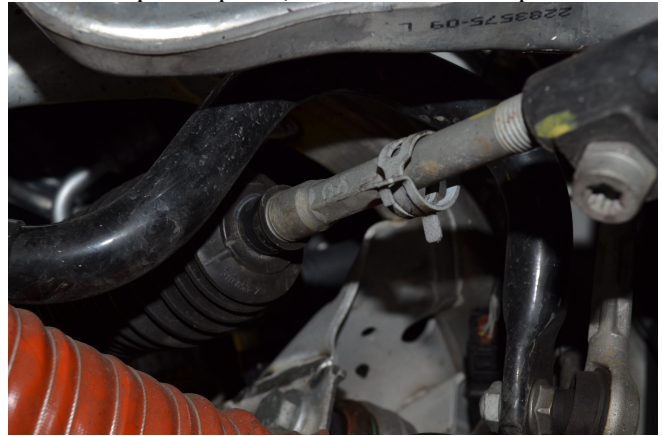
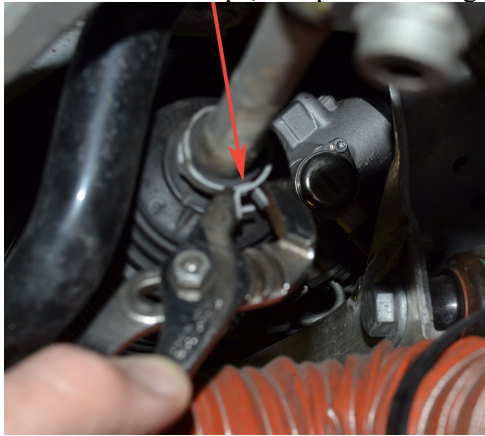
1. Properly lift and support the car to access the tie rod boots. The front under tray will have to be removed.



2. Remove/cut off the metal retaining bands at steering rack side only. They will not be re-used.



3. For the outer boot clamps, compress the tangs on the clamp with pliers, then slide the clamp off the boot.



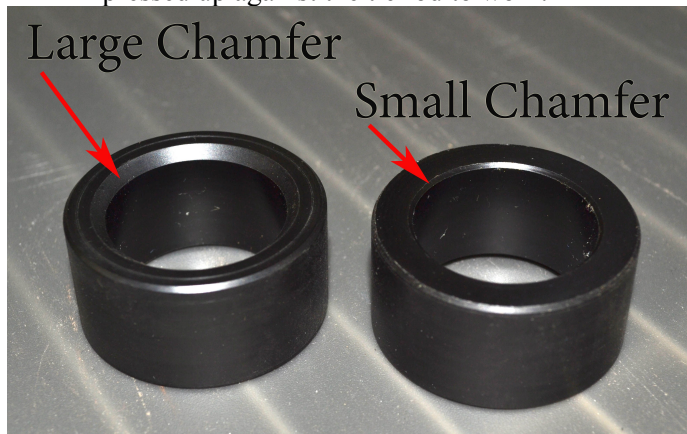
4. Push the boot towards the wheel away from the steering rack to reveal the steering rack shaft.



5. Undo the nut on the end of the steering rack shaft until it is completely disconnected. Do not change the position of the toe adjusting nut.



6. Remove the grease from the very end of the shaft. Note that one side of the Rack Stop has a larger chamfer than the other side. The large chamfer faces the steering rack; the small chamfer faces the tie rod. Slide the Rack Stop over the shaft until it is flush with the end of the shaft. Tapping it on with a block of wood may help. Do not slide the Rack Stop down the shaft and into the steering rack. The Rack Stop only has to be pressed up against the tie rod to work.



7. Reattach the tie rod end to the steering rack.



8. Push the tie rod boots back into position, and secure with the zip-ties provided on rack side and clamp on tie-rod side.
9. Reinstall the front under tray.
10. As long as the tie rod was removed from the rack without turning the tie rod end an alignment is not required.