

## General Suspension

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### Anti-roll Bar (sway bar)

Anti-roll bars (figs. 1, 2) are used to stabilize a car from excessive chassis roll (which occurs when your car leans through the turns by centrifugal force). A car not using an anti-roll bar on a high traction surface will tend to have a lot of chassis roll, which results in being less responsive. A car using anti-roll bars on a high traction surface will tend to have less chassis roll, making the car more responsive to cornering, at the same time making the car more stable. Anti-roll bars can help plant your front or rear tires, giving them more traction. Consider using an anti-roll bar if you are having trouble **oversteering** or **understeering**.

Anti-roll bars come in two types, wire and blade.

#### When do I use an anti-roll bar?

Anti-roll bars are generally **used on smooth, high traction conditions**. If the track is very bumpy, then anti-roll bars are not needed. The more bumpy a track gets, the more the bars become a disadvantage. Anti-roll bars on bumpy tracks don't allow your suspension to work independently, making your car difficult to drive.

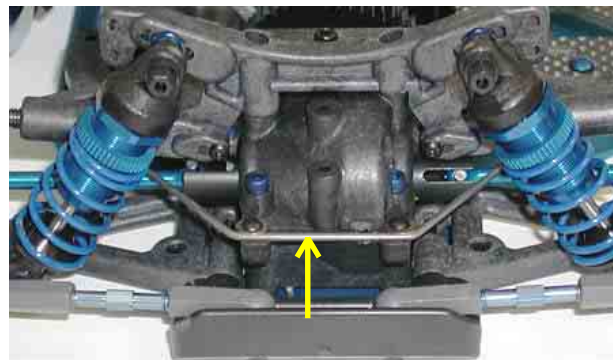
- If you are driving on a high traction surface and your car wants to **oversteer**, then use the optional #1715 blade anti-roll kit on the front (fig. 2). This will decrease the front chassis roll and decrease steering throughout the corner (this has the feeling of increasing rear traction).
- If your car is **understeering**, then try the optional #3960 anti-roll bar kit on the rear only (fig. 1). The rear anti-roll bar will decrease rear chassis roll and decrease rear traction (this has the feeling of increasing steering).

#### How do I get the anti-roll bars?

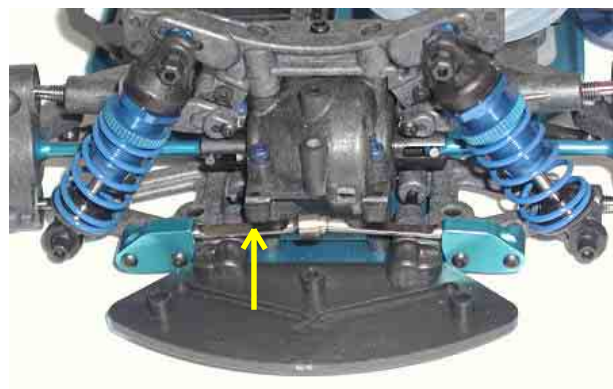
Anti-roll bars are optional items. Part #3960 is a wire-type anti-roll bar set, which can be used on either front or rear. Get two if you think you'll need anti-roll bars on both front and rear. Full installation instructions are included.

#### On setup sheet

You mark whether or not you used an anti-roll bar.



*Fig. 1 Use an anti-roll bar on front or back to stabilize your car from excessive chassis roll. This is the wire style sway bar.*



*Fig. 2 This blade type sway bar is on the front*

#### Product info

- #1715, Front Blade Anti-Roll Bar Kit
- #3960, Front or Rear Anti-roll Bar Kit (wire type)