



Installation Instructions

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Part # PED-429001-22

Rear Sway Bar Challenger/Charger (LX) 2005+

Disclaimer:

In order to install Pedders Suspension components safely, general mechanical knowledge is required. It is suggested that only a trained mechanic perform the installation of this product. If you are not qualified and choose to perform the installation yourself, please be sure to follow all safety precautions and utilize the manufacturer's repair manual as a guide for procedures and torque values.

Caution: When fitting adjustable sway bars always start with the softest setting and is strongly advised that you drive cautiously while you evaluate the new vehicle dynamics.

- All safety measures should be taken, secure vehicle on a lift or jackstands, chock any wheels remaining on the ground and take care with any hot components.
- Always use new hardware when provided or specified by the manufacturer.
- Tighten all fittings with the vehicle on the ground at ride height.
- If the removal of suspension components is required, we suggest marking any suspension components as this will aid in reassembly to approximate previous wheel alignment settings. Wheel alignment settings may have changed. Check front and rear alignment after installation.
- Re-check all torque values after a period of 50-200 miles after installation.
- It is recommended that you inspect the Pedders Suspension components periodically to ensure long term performance.

Parts List

Description	Quantity
22mm Sway Bar	1
Bushings	2
U-Bracket	2
Lube	1

1. Park vehicle on a smooth, level, asphalt or concrete surface. Block front wheels. Jack up rear end of car and support frame with jackstands. Remove rear wheels and tires.
2. Remove the rear shocks from the chassis then remove the bolts that hold the brake lines to the body.
3. Next, lower the exhaust from the rubber mounts and remove the brace this will allow clearance when lowering the rear sub frame.
4. Use a floor jack to support the rear end housing. With a little preload remove the four bolts that attach the sub frame to the body, slowly lower the jack to gain clearance to the rear bar.
5. Remove the bar from the sub frame. First at the end links then the frame mounts. The bar should slide out the side. Use caution around the brake lines.

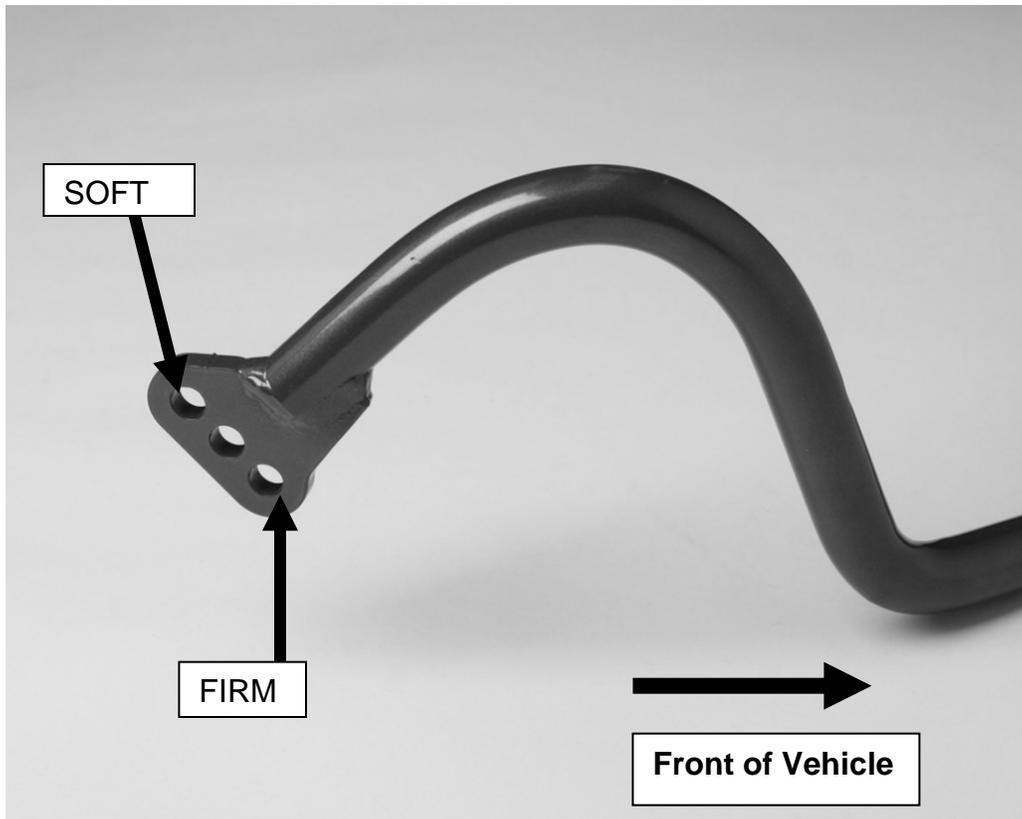
6. Liberally grease the inner bore of the new polyurethane bushings with lubricant provided, and place the bushings over the new PEDDERS sway bar in the same locations as the OE configuration. Install the PEDDERS rear sway bar using factory hardware and brackets provided. Tighten end links and brackets.

IMPORTANT NOTE ABOUT ADJUSTABLE SETTINGS:

We strongly suggest that your technician initially sets the end links in the softest setting. The softest setting will be the setting with the end links closest to the end or tip of the sway bar, furthest from the mounting bushings.

After installing the sway bar, we suggest that you drive the car carefully and within your abilities, noticing the changes in the handling characteristics. If driving in poor weather, exercise additional care during cornering and braking until you are familiar with the handling.

If you chose to use the firmer settings, again remember to drive the vehicle carefully, and take note of the changes you have made to the suspension. You will notice a handling difference with each sway bar settings.



7. Lift the rear sub frame slightly and tighten all 4 bolts by hand to start them, then lift the sub frame so it contacts the body and torque the bolts.
8. Reverse order to complete installation.
9. Install wheels and tires. Lower rear of car onto ground, and roll car back and forth to settle suspension.
10. Installation is complete. Check assembly periodically for tightness.

Torque Check

Hardware	Torque
End link nut	38-42 ft/lbs
Bushings bracket hardware	38-42 ft/lbs
Heat Shield Screws	5 ft/lbs