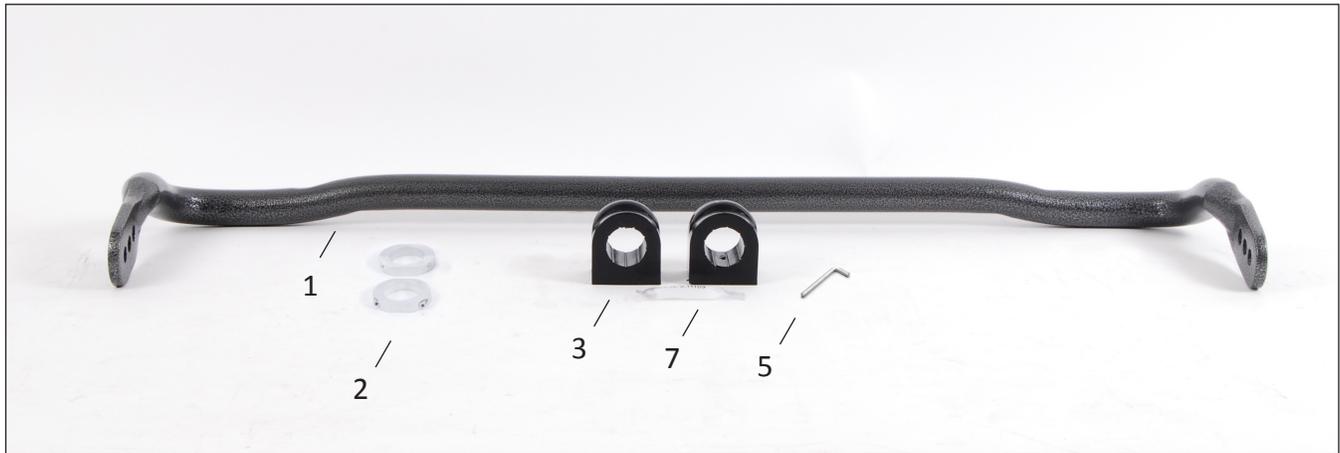




INSTALLATION INSTRUCTIONS

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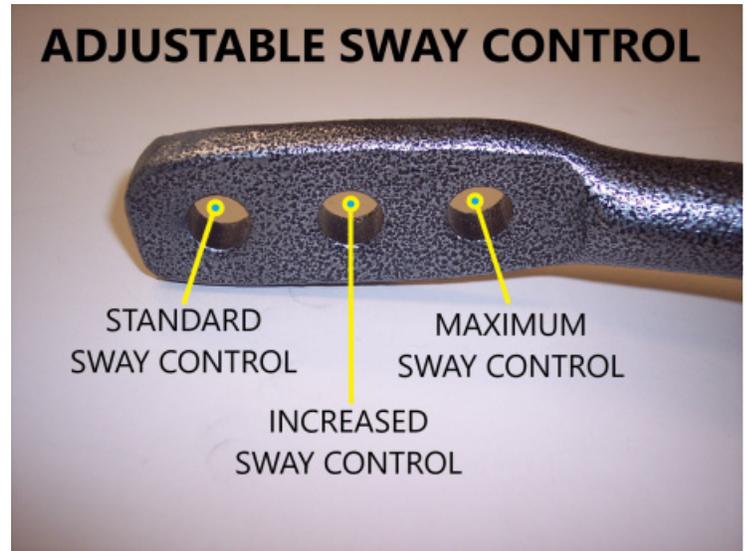
2017-2023 Model 3 Tesla Front Stabilizer Bar



Component Contents

Number	Part Name	Quantity
1	Sway Bar	1
2	Collar Clamps	2
3	D-Bushings	2
4	Instruction Sheet	1
5	6mm Hex Key	1
6	Warranty Form	1
7	Lube	1

Standard Tools:





General Notes:

These instructions are meant to be a general guide for installing Hellwig Products Co. sway bars. Hellwig Products Co. Inc. assumes no liability for the actual installation process. Consumers should apply common automotive safety practices when working on any vehicles. DO NOT put yourself in a position where if the vehicle should move unexpectedly, you may be seriously hurt.

Hellwig suspension products are designed for ease of installation with standard tools. However, access to a jack, jack stands, and work lights may provide added assistance during your installation. As described in Hellwig installation instructions, many fasteners require proper tension or torque. Use of a torque wrench will verify proper torque for this requirement.

- To ease installation and to properly adjust bar, the weight of the vehicle must be on the suspension, as if driving down the road. Do not Raise Vehicle by frame.
- If raising the vehicle off the floor to install the anti-sway bar, always fully support the vehicle with jack stands. Ensure that the jack stands are securely positioned, and are rated at or above the weight of the vehicle.
- Don't forget to lube all bushings and end links.
- Always use impact grade sockets with air ratches or impact drivers.
- Holes Are Producing an Interference – Apply torque to the nut.
- Nut and Bolt Head are Different Diameters or Shapes – Apply torque to the side with the smaller bearing face. This also applies when the hole diameters are different.
- When Clamping Two Different Materials Together – It is always better to apply torque on the component that is against the material with a lower frictional coefficient.
- Long Bolts Are Being Used – When torque is applied to the head of a very long bolt, you may see the effects of torsional wind-up. Applying torque to the nut in this situation will help to avoid that issue.
- There will be many instances where you can apply torque to either the nut or the bolt head. But if one of the above situations applies, remember to follow the guidelines for a better fit and more durable installation.



Step 1: Remove Under Panel

Remove the front under panel by unscrewing the bolts with a 10mm & 15mm socket caution when removing and detaching.



Step 2: Remove Fender Liner Clips

Remove two fender liner clips on both sides that holds the lip under tray the fender liner together to allow the lip under tray to hang, allowing more access space to reach the sway bar mounting bracket bolts.



Step 3: Remove End-link

Unscrew the sway bar end link nut. Carefully remove the sway bars from the end link bolt threads with a 18mm socket.

Leave upper part of end-link attached to suspension.

*Do not discard factory fasteners. They will be reused.



Step 4: Factory U-plate Removal

With the end-links free from the sway bar. Remove the 4 nuts holding the sway bar in place with a 15mm socket wrench.

*Do not discard factory fasteners. They will be reused.



Step 5: Attach Factory End Links

Attach your new Hellwig sway bar to the factory end-links. Use original fasteners with a 18mm socket wrench.

Tighten original fasteners but do not torque yet, allowing the bar to rotate up into position.



Step 6: Lubricate Bushings

Apply ample amount of lubricant to the inside of each D-Bushing. Install the D-Bushings on the bar in the approximate location of mounting. (Usually about half a packet of lube per D-Busing).



Step 7: Install U-Plates

Finalize attaching your new Hellwig sway bar. Take the OEM U-plates and slide them over the provided lubricated D-Bushings and onto the threaded studs. Utilizing a 15mm deep socket and ratchet thread the original nuts onto the factory studs.

Tighten nuts but do not torque yet.



Step 8: Collar Clamps

Now with everything mounted and hanging in place, line up and square the sway bar by sliding it slightly to the left or right. Once in desired position, install collar clamps on the inside, touching the D-bushings. Use a 6mm Allen Head Key to tighten collar clamps.

Step 9: Torque Sway Bar

Revisit each of the fasteners and torque to the specified torque table below.

Description	Nm	Lb-Ft
Sway Bar U-Plate Nut	55	41
Sway Bar End Link Nut	70	51



Step 10: Install Under Panel

Install the under panel utilizing a 10mm and 15mm socket wrench and torque to the specified torque table below.

Description	Nm	Lb-Ft
Panel Fasteners	55	41



1. Fasteners:

All Hellwig supplied fasteners must be utilized and installed in accordance with the installation instructions and apply torque to the specifications as defined.

2. Modification:

Do not attempt to modify the vehicle or the Hellwig product you are installing. If a problem is encountered, stop and call Hellwig Products (1-800-367-5480) for support. Hellwig Products Company will not be responsible for any damage or injury resulting from any modification or alteration. Do not use this document for custom fabrication, as it may not show all parts or structural components.

3. Drilling:

Most Hellwig products do not require drilling and or tapping for installation. If drilling is defined as required, use caution when drilling a vehicle. Failure to review an area to be drilled, may result in personal injury and/or injury to other as well as vehicle damage.

4. Eye Protection:

Always wear safety glasses or goggles during the installation process to avoid personal injury.

5. Maximum Towing/Carrying Capacity:

User should never exceed the vehicle manufacture's maximum tow and weight rating. Failure to follow these guidelines will void the Hellwig warranty and may result in personal injury and/or injury to others as well as vehicle damage.

6. For California Residents Only– Prop 65 Warning:

Some products may contain chemicals such as DEHP, which can cause cancer, birth defects or other re-productive harm. For more info go to www.p65warning.ca.gov

7. Checks After Install:

After installing your new Hellwig sway bar it is recommended to bounce the vehicle, check for clearances, turn the steering wheel lock to lock, and if all looks good test drive the vehicle. Check the fasteners regularly thereafter. Ensure no damage is being done to the sway bar or your vehicle.