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| Revisions |                                |         |          |
|-----------|--------------------------------|---------|----------|
| Rev.      | Description                    | Date    | Approved |
| A         | Initial Release Per ECO 19-010 | 1/29/19 | A.S.     |



## Steering Stabilizer Clamp

### Installation Instructions

Applications:

- 4050-38: 1.375" Diameter Tie Rod
- 4050-50: 1.50" Diameter Tie Rod
- 4050-63: 1.625" Diameter Tie Rod



TITLE:  
**STEERING STABILIZER CLAMP  
 INSTALLATION INSTRUCTIONS**

|            |                     |             |
|------------|---------------------|-------------|
| SIZE       | DWG NO:             | REV         |
| <b>A</b>   | <b>4050-XX-INST</b> | <b>A</b>    |
| SCALE: N/A |                     | PAGE 1 OF 2 |



## **PARTS LIST**

| <b>4050-XX STEERING STABILIZER CLAMP</b> |                    |                                      |
|--|--------------------|--------------------------------------|
| <b>QTY</b>                               | <b>Part Number</b> | <b>Description</b>                   |
| 1  | 4050XX             | Steering Stabilizer Clamp Halves     |
| 1  | NA                 | ½-20 x 2.0" Grade 8 bolt             |
| 2  | NA                 | ½" Grade 8 washer                    |
| 6  | NA                 | 5/16-18 x 1.0" Socket Head Cap Screw |

## **GENERAL NOTES**

- These instructions are also available on our website; [www.synergymfg.com](http://www.synergymfg.com). Check the website before you begin for any updated instructions and additional photos or videos for your reference.
- This steering stabilizer clamp is designed to mount any steering stabilizer that uses a ½" mounting bolt to either a 1.375", 1.5", or 1.625" Diameter Tie Rod depending on which clamp you have.
- If using a Synergy MFG Jeep JL Tie Rod (Part # 8802-01), Steering Stabilizer Relocation Kit 8807-03 is recommended which includes the required 8806-01 Track Bar Stabilizer Mount Stud.

## **TOOLS REQUIRED**

- Basic Hand Tools (¼ inch allen key, ¾ inch socket)
- Torque Wrench

## **INSTALLATION**

1. Verify the correct location for the clamp on the tie rod by cycling the steering full lock both directions and extending and collapsing the steering stabilizer.
2. Install tie rod clamp on the tie rod with the ½" mounting hole towards the steering stabilizer.
3. Attach the end of the steering stabilizer to the tie rod clamp using the provided ½" bolt with a washer on top (and bottom if necessary).
4. Install all 6 socket head bolts into bottom half of clamp.
5. Verify clamp and stabilizer are rotated into the correct position.
6. Torque the socket head bolts to 15 lb-ft.
7. Torque ½ inch mounting bolt to 50 lb-ft.
8. Cycle steering lock to lock to make sure there is no interference.
9. Check bolt torques after approximately 100 miles.