

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF SYNERGY MFG. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF SYNERGY MFG IS PROHIBITED.

Revisions			
Rev.	Description	Date	Approved
A	Initial Release Per Eco 21- 028	2/26/2021	KB



FOX ATS AND TS CLAMP ADAPTER

Installation Instructions

Applications:
FOX 2.0 ATS AND TS STEERING STABILIZERS



TITLE:	
FOX ATS AND TS CLAMP ADAPTER INSTALLATION INSTRUCTIONS	

SIZE	DWG NO:	REV
A	4051-01-INST	A

SCALE: N/A

PAGE 1 OF 5



Thank you for purchasing the best aftermarket products available for your vehicle. We strongly feel that the parts you are about to install should meet or exceed your expectations for performance. Proper assembly is critical to the performance of these components and the vehicle as a whole. Please take the time to carefully read these instructions and familiarize yourself with the installation procedure before working on your vehicle. If you have any questions PLEASE contact Synergy Manufacturing BEFORE beginning installation. Thanks again for supporting Synergy – enjoy the performance benefits of the best aftermarket products available for your vehicle!

Synergy Manufacturing
Phone: (805) 242-0397
Email: support@synergymfg.com

Modifying or otherwise altering vehicle components may cause the vehicle to handle differently than originally designed. It is the driver’s responsibility to familiarize themselves with the performance and handling characteristics of the modified vehicle. Vehicles with larger diameter than stock tires must be driven carefully and cannot be expected to perform as stock or meet OEM performance with regard to handling, braking or crash performance. Ensure all replacement components are compatible with vehicle capacities so as not to overload components, especially tires. It is up to the individual to ensure that the vehicle and all components are compatible with the intended vehicle use, including load ratings, road conditions, and driver abilities. Thorough and frequent vehicle inspections are recommended to ensure a safe and reliable state of readiness, especially after off-highway use.

PARTS LIST

4051-01 FOX ATS AND TS CLAMP ADAPTER		
QTY	Part Number	Description
1	405101-01-MA	FOX ATS TO STEEL 4050 CLAMP ADAPTER WASHER
1	N/A	1/2” - 20 X 1.5” FLAT HEAD SOCKET CAP SCREW, ZINC PLATED

GENERAL NOTES

- These instructions are also available on our website; www.synergymfg.com. Check the website before you begin for any updated instructions and additional photos for your reference.
- This clamp adapter will work with any Synergy 4050 series steel clamp.
- This clamp adapter will work with any Fox ATS or TS series stabilizer.

TOOLS REQUIRED

- 3/16”, 1/4”, 5/16” Allen wrenches or Allen sockets.
- Blue thread locker.

ESTIMATED INSTALLATION TIME

.5 Hours

INSTALLATION

1. Installation can be done on the vehicle, but is far easier off the vehicle.
2. Remove the L-bracket off the end of the Fox stabilizer. Unscrew the 1/4"-20 x 1-1/2" screw in the side of the L-bracket with a 3/16" Allen wrench and completely remove the screw. The L-bracket will then slide off the end of the stabilizer. See **Figure 1**.



Figure 1. Removing Stabilizer Bearing Housing

3. Remove the 1/2"-13 socket head cap screw with a 1/4" allen wrench or socket and remove the aluminum Fox clamp. This is easiest performed on the bench by putting the clamp body in a vise. You may need to heat the aluminum clamp body up with a torch to ease disassembly or apply penetrating oil to the fastener. Keep the two o-rings that surround the misalignment bearing in the end of the stabilizer. See **Figure 2**.



Figure 2. Removing the Clamp Retaining Screw

4. Use the supplied 1/2"-20 UNF flathead screw and aluminum washer to sandwich the misalignment bearing and the two o-rings. The small step in the aluminum washer should go up into the lower o-ring and seat against the bearing, the large flat side should go towards the steel 4050 clamp. See **Figures 3. and 4**. Apply a dab of blue thread locker to the screw threads.



Figures 3 and 4. Assembling the Adapter Components and Bearing Housing

5. Set the whole assembly onto the 4050 clamp body and thread the 1/2"-20 UNF flat head screw into the clamp. Once again holding the clamp body in a vise greatly aids in this process. Torque to 60 lb-ft with a 5/16" Allen wrench or Allen socket.
6. Slide the L-bracket with the new steel clamp back onto the end of the Fox steering stabilizer. Add a drop of blue thread locker, install, and tighten the 1/4"-20 x 1-1/2" long retaining screw to 12 lbs-ft. The assembly should look like **Figure 5**.



Figure 5. Finished Clamp Adapter Assembly

Installation is Complete