

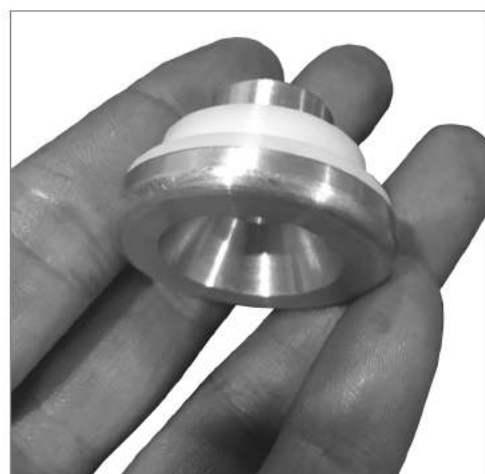
# AMERICAN SUSPENSION BOLT ON SOFTTAIL INSTALLATION GUIDE



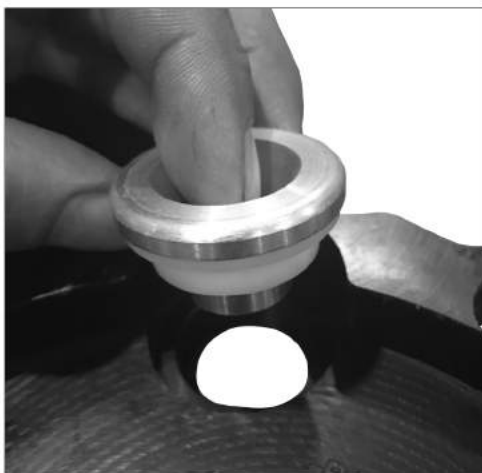
**1** Install air plug into fork extensions.



**2** Insert o-rings into fork extensions.



**3** Insert Delrin sleeve into handlebar bushings.



**4** Insert handlebar bushings into upper tree.



**5** Insert the other handlebar bushings into the other end.



**6** Insert Delrin bushings to the top of the tree.



**7** Likewise, do the same for the other side.



**8** Place handlebar bushing caps into Delrin.



**9** Insert 1/2-13 counter sunk bolt through the handlebar bushings.

Check [www.AMERICANSUSPENSION.com](http://www.AMERICANSUSPENSION.com) for installation videos and other additional information.  
Have more questions? Call 321-285-9446 or email [MARK@AMERICANSUSPENSION.COM](mailto:MARK@AMERICANSUSPENSION.COM)

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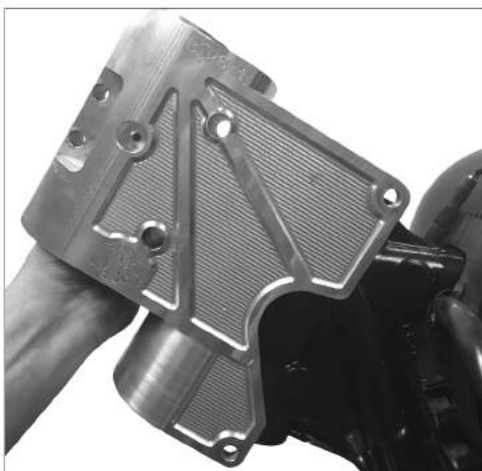
**10** Install risers on the top tree. Torque to 50ft/lbs at this time.



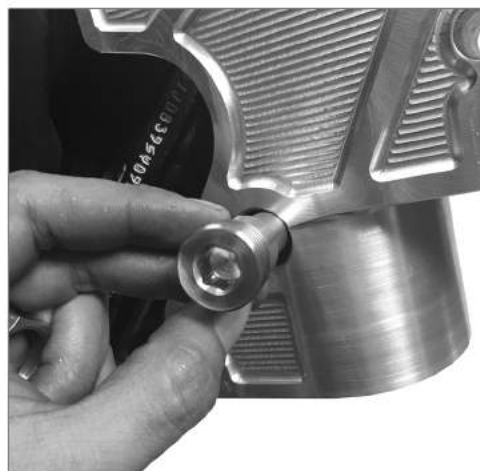
**11** Remove grease fitting from stock neck.



**12** Install grease fitting into the Bolt on Neck.



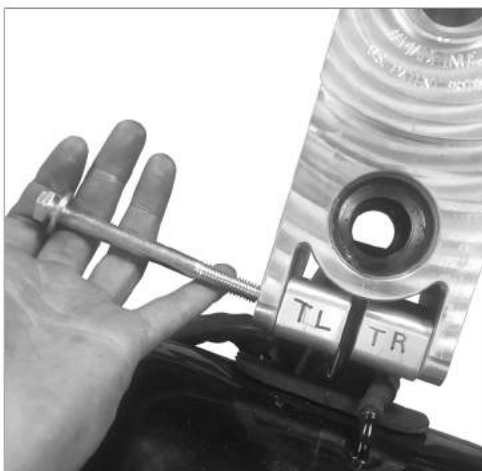
**13** Slide Bolt on Neck into stock frame.



**14** Install 7/8-14 align screw into the Bolt on Neck. (Do not torque screws at this time.)



**15** Include lock nut.



**16** Slide top left and right upper align blocks in between Bolt on Neck and stock neck and insert 3/8-16x4 mounting bolt.



**17** Insert washer and lock nut into the mounting bolt. (Do not torque at this time.)



**18** Slide left and right lower align blocks into the bottom of the Bolt on Neck.

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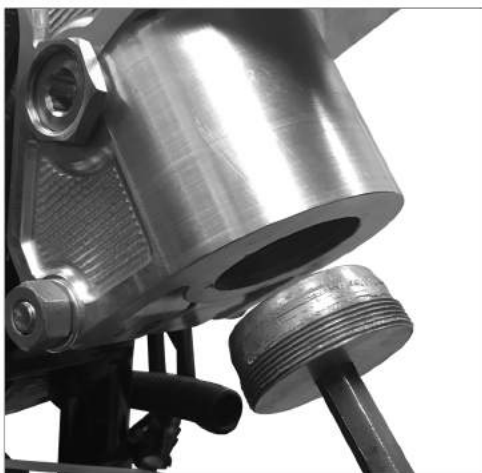
**19** Insert mounting bolt through the neck and lower align blocks.



**20** Insert mounting washer and lock nut. (Do not torque at this time.)



**21** Apply anti-seize lubricant onto the top and lower set screws.



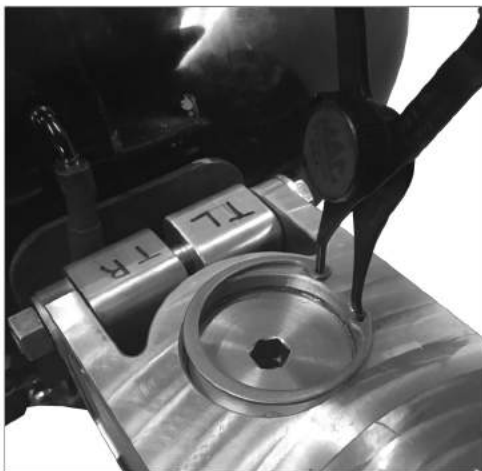
**22** Make sure to grease your bearing races before installing set screws. Insert lower set screw into bottom of the Bolt on Neck.



**23** Insert upper set screw on the Bolt on Neck. Torque upper and lower set screws to 80ft/lbs.



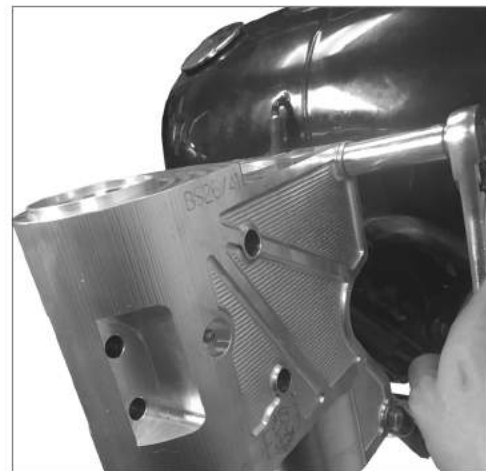
**24** Install circlip into the lower part of Bolt on Neck.



**25** Install circlip into the top of the Bolt on Neck.



**26** Torque upper and lower set screws to 50ft/lbs.



**27** Torque the upper and lower mounting bolts to 30ft/lbs.

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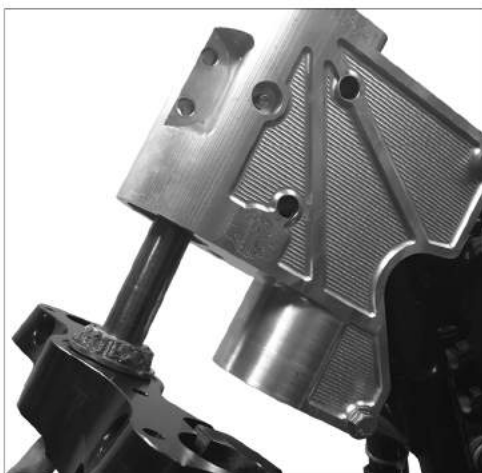
**28** Use 3/8 allen wrench to tighten align screw. Torque lock nut to 10ft/lbs.



**29** Apply washer to the lower tree.



**30** Pack bearings through with grease and slide through the stem of the lower tree.



**31** Slide the stem through the neck.



**32** Insert 1" bearing on to the top of the Bolt on Neck.



**33** Apply washer on top of the 1" bearing.



**34** Re-use the stock top dust cover and place it on top of the bearing and washer.



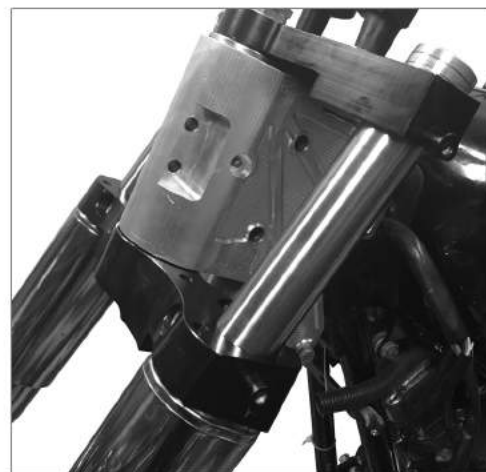
**35** Install stem washer on top of the dust cover.



**36** Install first stem nut. Tighten the nut slowly and wiggle the trees until the bearing clicks. Tighten until the clicking stops plus an extra 1/4 turn. Tighten the second stem nut against the first.

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**37** Make sure lower and upper legs turn freely with no restrictions and that the clicking is gone. It may take a couple tries to get it correct. Tighten the tree clamp to 20ft/lbs. Check again to make sure there are no restrictions and the forks turn freely.

**38** Install fork covers into lower tree.

**39** Instal both legs and torque lower tree bolts to 35ft/lbs.