

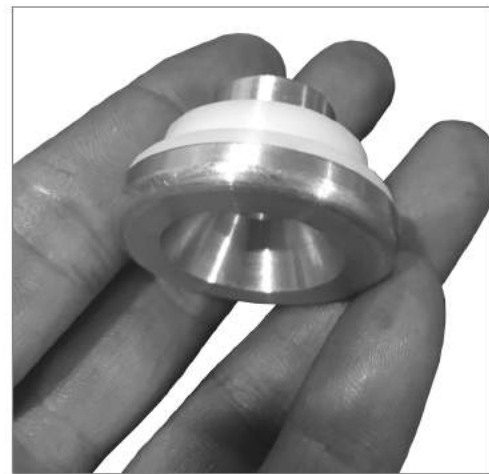
# AMERICAN SUSPENSION BOLT ON SOFTTAIL INSTALLATION GUIDE



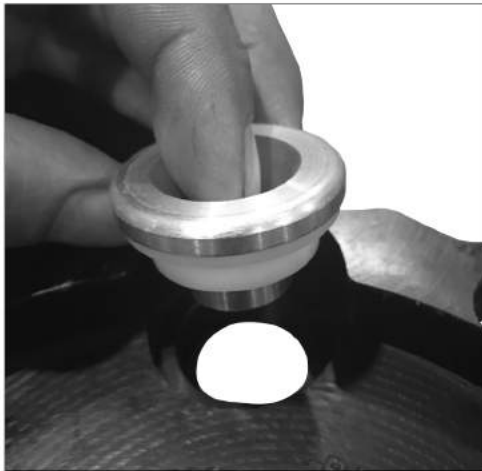
**1** Install air plug into fork extensions.



**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.

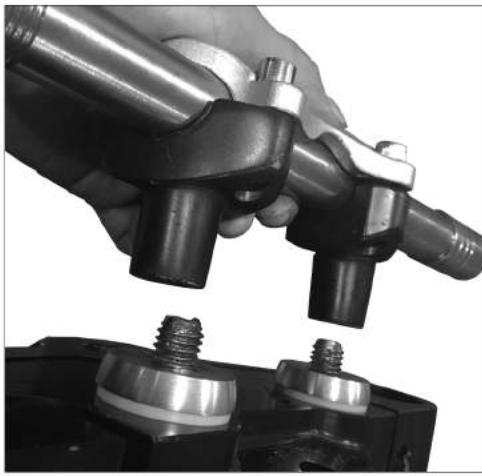


**8** Place handlebar bushing caps into Delrin.



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

# BOLT ON SOFTTAIL INSTALLATION GUIDE



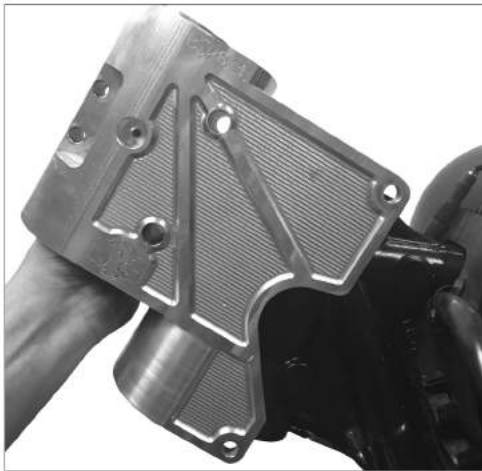
**10** Install risers on the top tree. Torque to 50ft/lbs at this time.



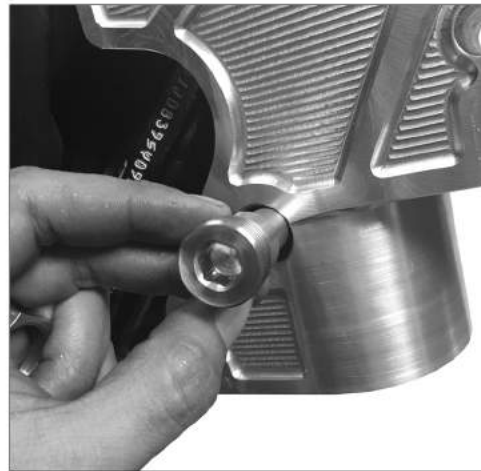
**11** Remove grease fitting from stock neck.



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



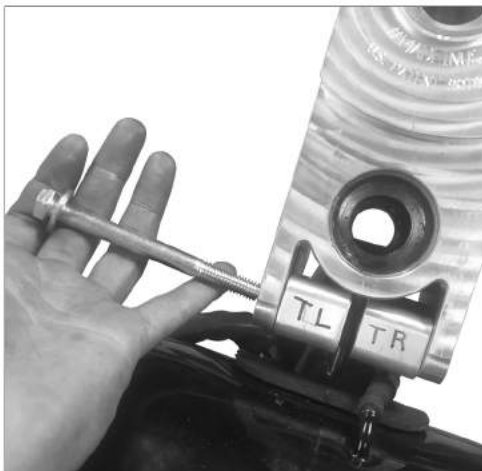
**13** Slide Bolt on Neck into stock frame.



**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.)

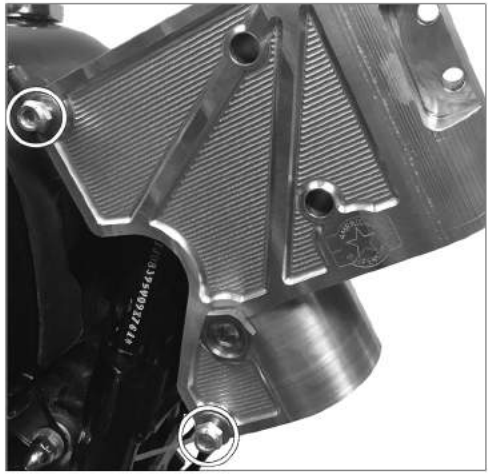


**18** Slide left and right lower align blocks into the bottom of the Bolt on Neck.

# BOLT ON SOFTTAIL INSTALLATION GUIDE



**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.



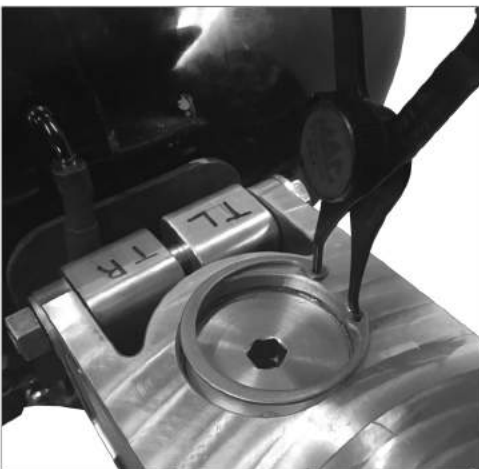
**22** Make sure to grease your bearing races before installing set screws. Insert lower set screw into bottom of the Bolt on Neck.



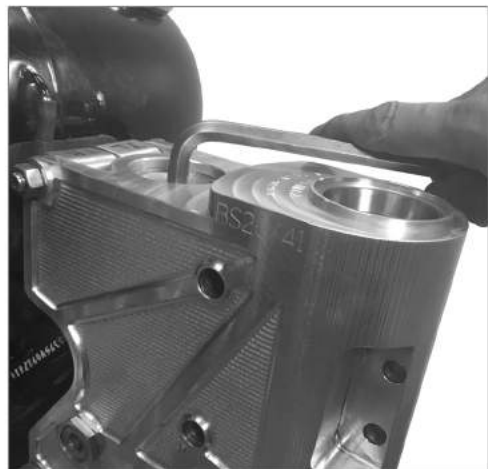
**23** Insert upper set screw on the Bolt on Neck. Torque upper and lower set screws to 80ft/lbs.



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



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

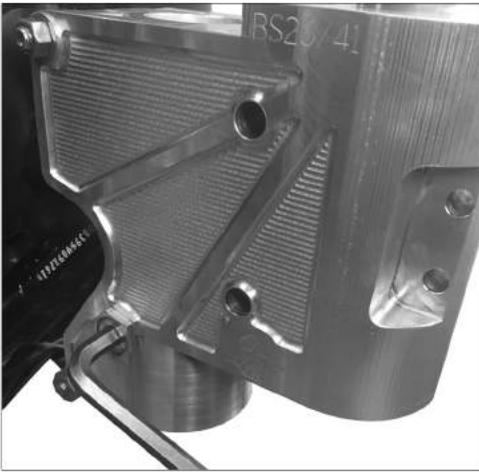


**26** Torque upper and lower set screws to 50ft/lbs.



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

# BOLT ON SOFTTAIL INSTALLATION GUIDE



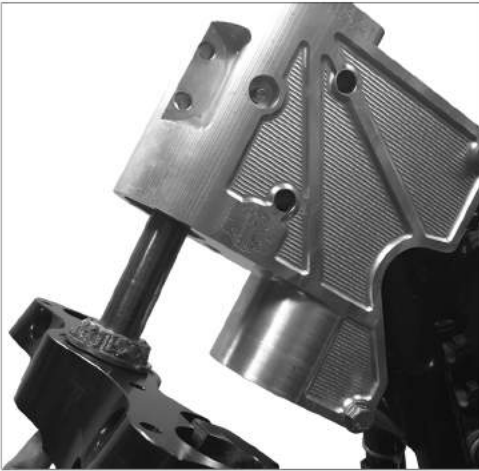
**28** Use 3/8 allen wrench to tighten align screw. Torque lock nut to 10ft/lbs.



**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.

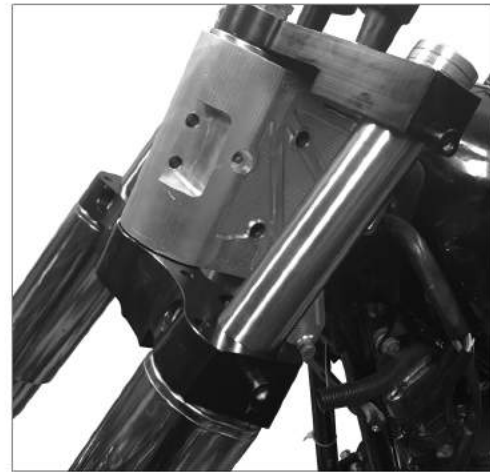
# BOLT ON SOFTTAIL INSTALLATION GUIDE



**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.

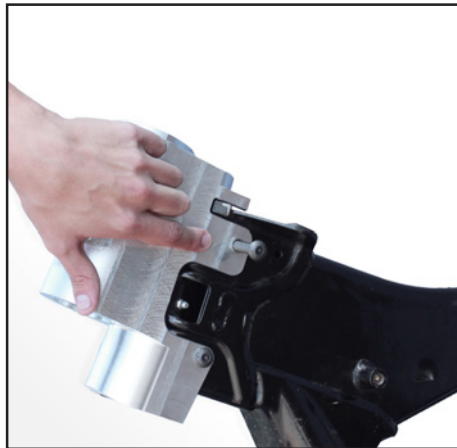


**39** Instal both legs and torque lower tree bolts to 35ft/lbs.

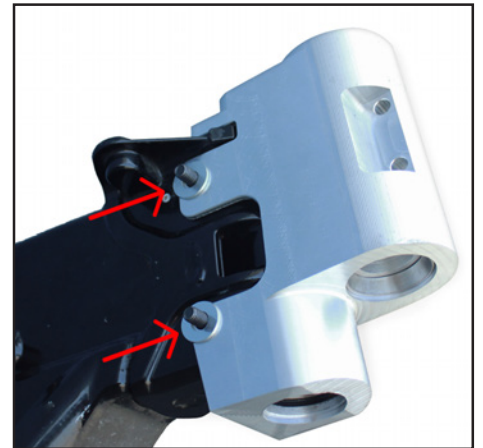
# BOLT ON KIT INSTALLATION GUIDE



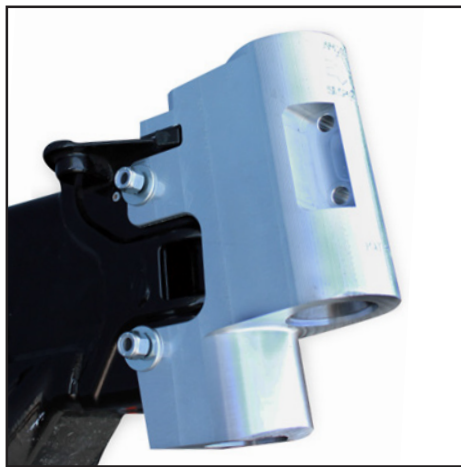
**1** Remove stock legs and trees. Slip bolt on neck over stock neck.  
\*\*For 2014 30 wheel kits only, Install provided race adapter\*\*



**2** Install the 2 cross bolts with provided washers.



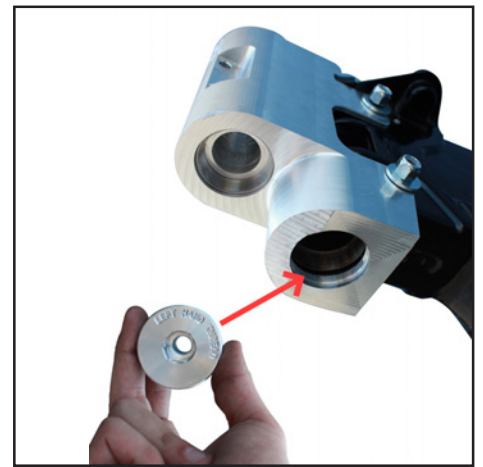
**3** Install the two washers on the opposite side of bolt on neck.



**4** Install cross bolt lock nuts (hand tighten only at this point)



**5** Starting at the top, install top set screw (apply some anti-seize) - Do not fully tighten at this point.



**6** Install lower set screw.



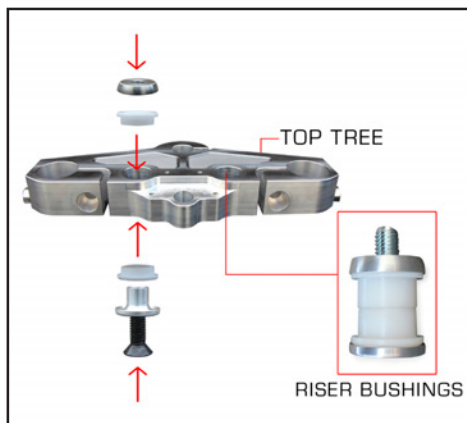
**7** Install top cir clip over top set screw.



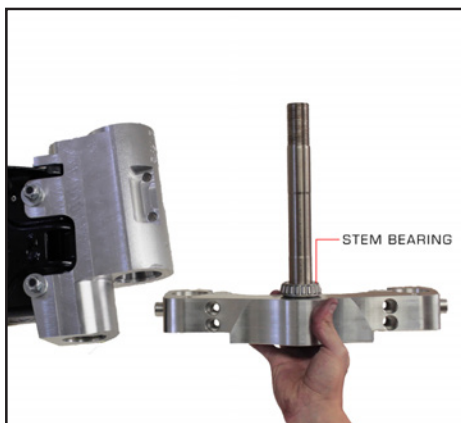
**8** Install lower cir clip over lower set screw. Evenly tighten the top and bottom set screw until seated at 60-70ft.



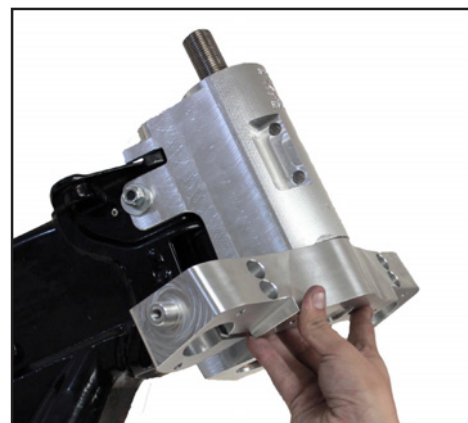
**9** Tighten cross bolts to 35ft lbs. Neck is now installed.



**1** Install riser bushings set into top tree.



**2** Pack supplied bearings with high quality bearing grease. Install 1 bearing on neck stem.



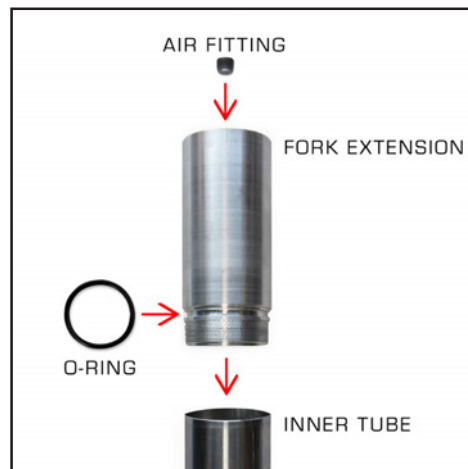
**3** Insert lower tree stem through the bottom of the steering tube.



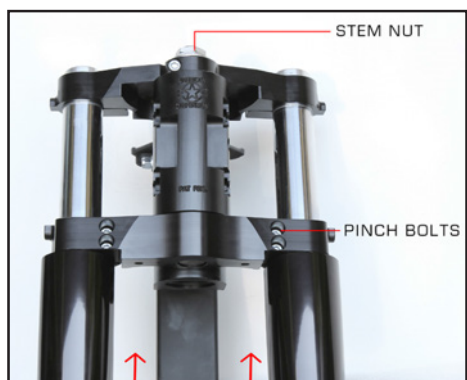
**4** Install second bearing over tree stem, (be sure to grease the bearing) then place washer on top of the bearing.



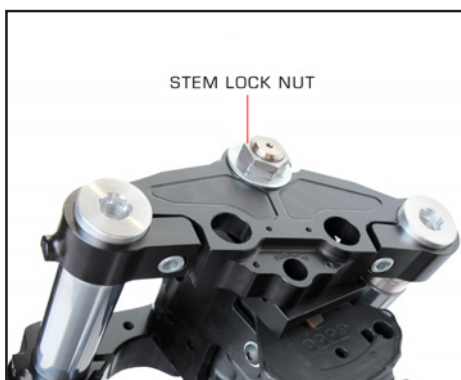
**5** Install top tree on stem. Next place a washer on to the neck stem, then add 1 stem nut. Torque top stem nut until bearings feel seated 30ft lbs. - **DO NOT** tighten stem pinch bolt at this time



**6** Remove stock fork caps and O-ring and install provided fork leg extensions - Torque to 50ft lbs. Install air fitting plugs into top of fork leg extensions. **\*\*Check fender clearance\*\***



**7** Install fork cans on lower tree. Install both legs and torque lower tree bolts to 35ft lbs - leave all top pinch bolts loose - Tighten stem nut while moving fork assembly till clicking disappears- Tighten 1/4 turn more. Trees should fall left & right with no drag. Lift legs up and down to check for any play in steering bearings. All 2014 wheel kits will use extended fork cans or spaces available from American Suspension.



**8** Then torque top tree leg pinch bolts to 40ft lbs. Now install the second stem nut on top of the first as a lock nut. Lift legs up and down one last time to double check for any movement. Apply blue lock tight to all triple tree bolts. Install brake line to fit your needs. Reinstall removed parts to HD specs. **\*\*Redo steps 7-8 if necessary\*\***



**9** Install wheel and fender. Tighten axel and all bolts. Next loosen Axel and all bolts & fasteners except the top tree bolts. Bounce the bike using the brakes to rock the bike, so that the front end is fully seated. Now tighten the lower tree bolts and loosen the top tree bolts. Bounce the bike a second time. Now tighten all bolts and fasteners to correct torque and check for play in steering.