

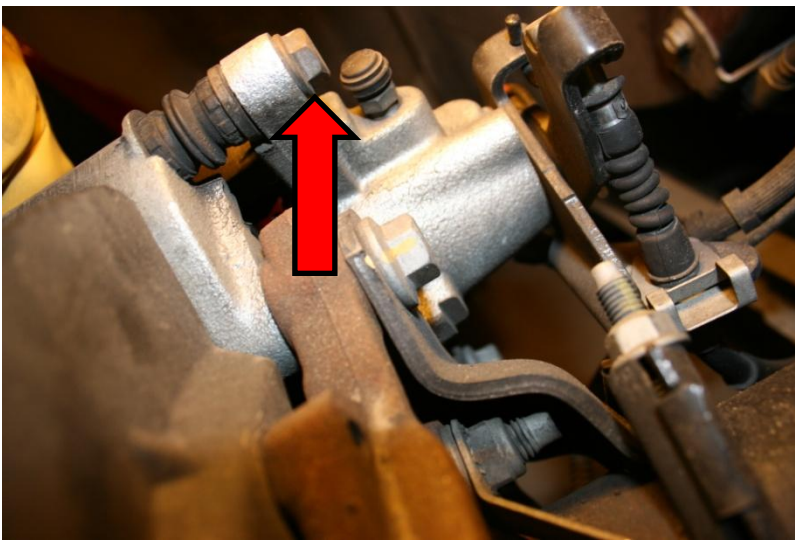
Ford Mustang 2013 GT500 Rear Break Install Guide for Mustang GT 2005-13

NOTE: Installation of this kit requires above average mechanical skills. This procedure should only be undertaken by a competent individual with the necessary skills to properly complete the installation. We strongly recommend that a factory shop manual be available for reference during the installation. If you are not confident you can complete the job safely, have the work performed by a certified technician who is familiar with the Mustang. Failure to reassemble the vehicle properly can lead to serious injury.

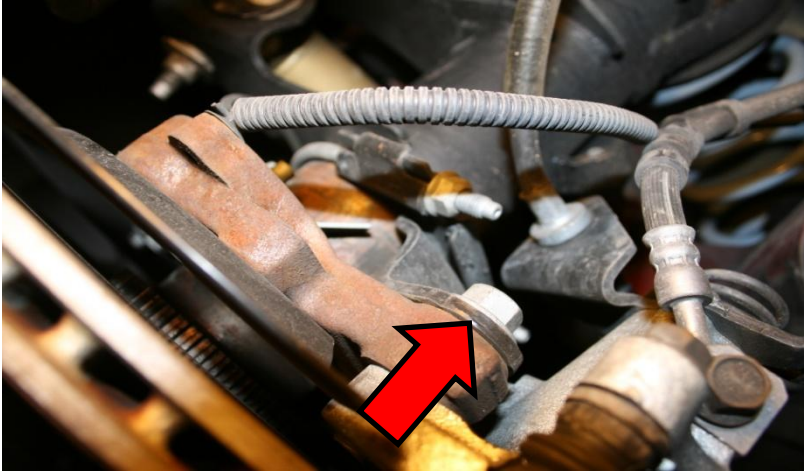
1. Raise the vehicle. If working off the floor, always secure with jack stands. Never work on a vehicle solely supported by a jack.
2. Remove the two rear wheels.
3. For easier access later, remove the panhard bar by unbolting the two bolts left and right using an 18mm socket.



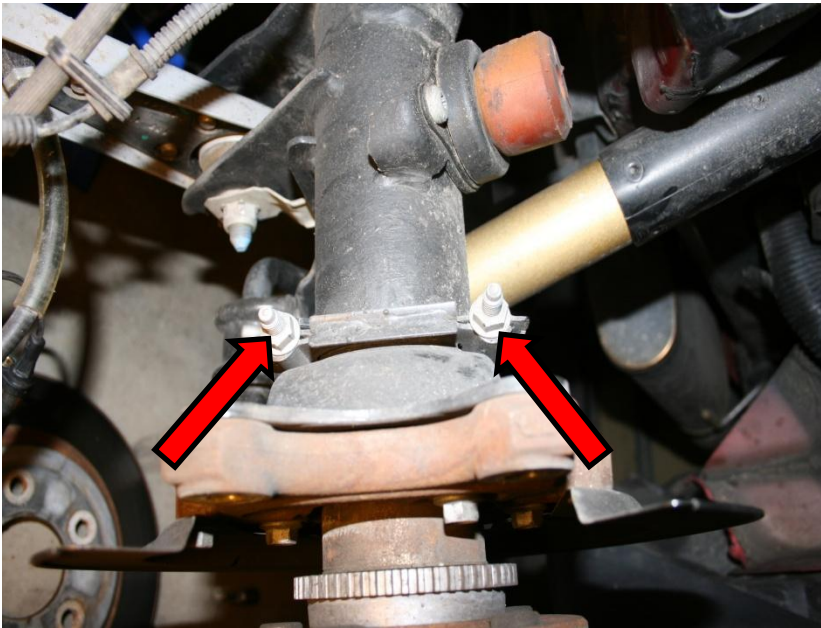
4. Using a 13mm socket remove both bolts and the caliper from the caliper bracket. Secure the caliper with zip-ties to avoid load on the brake line.



- Using a 15mm socket remove both bolts the caliper anchor plate. Discard both bolts.



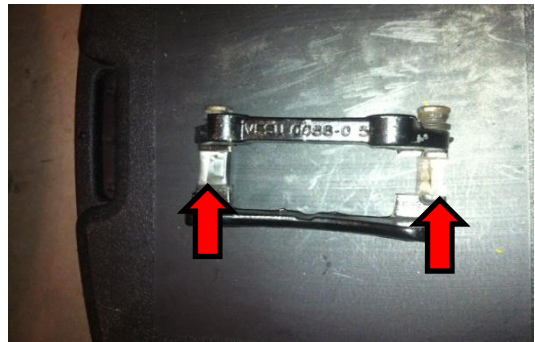
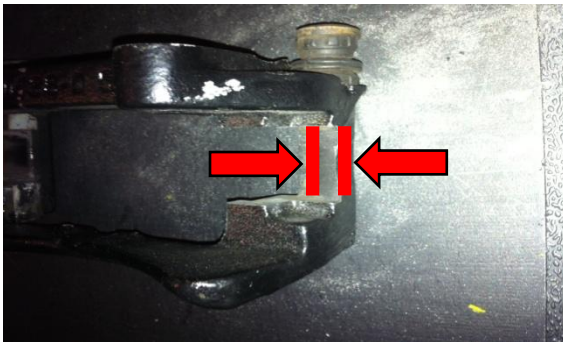
- Remove the Anti-Moan-bracket with a 13mm socket. This will not be re-used.



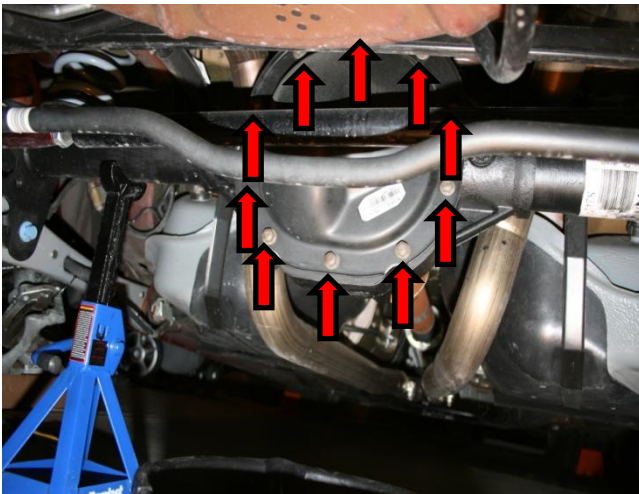
- Using a 10mm socket remove the ABS sensor from the backing plate. Remove the pushpin supporting the ABS wire, put the ABS sensor aside.



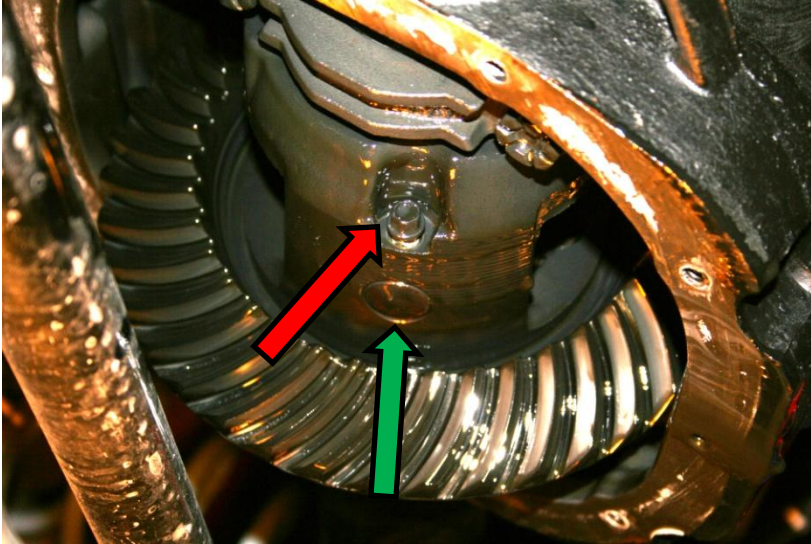
- Using a file, grind down on both sides of the caliper anchor plate about 5mm length and 2-3mm depth.



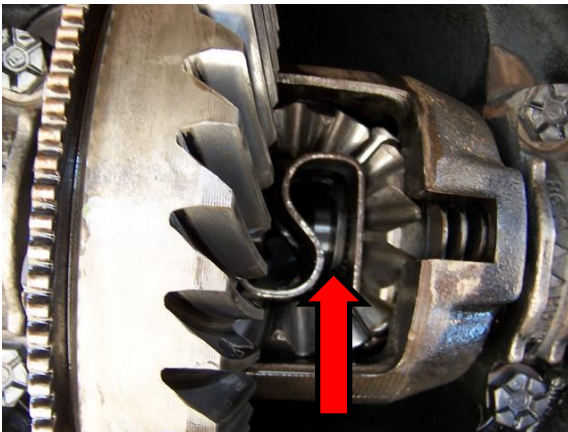
- Repeat steps 4-7 for the other wheel.
- Remove the 10 differential housing cover bolts.



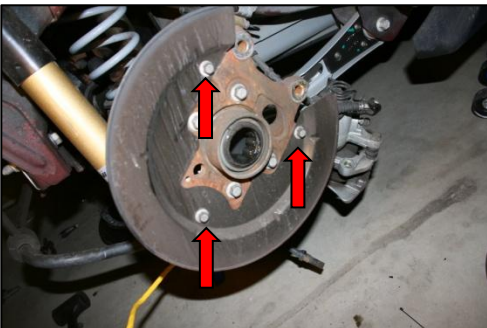
11. Place an oil pan underneath the differential and carefully pry the differential cover loose.
12. Turn the axle until the differential pinion shaft lock bolt is visible. Carefully remove the lock bolt using an 8mm socket. Discard the bolt.



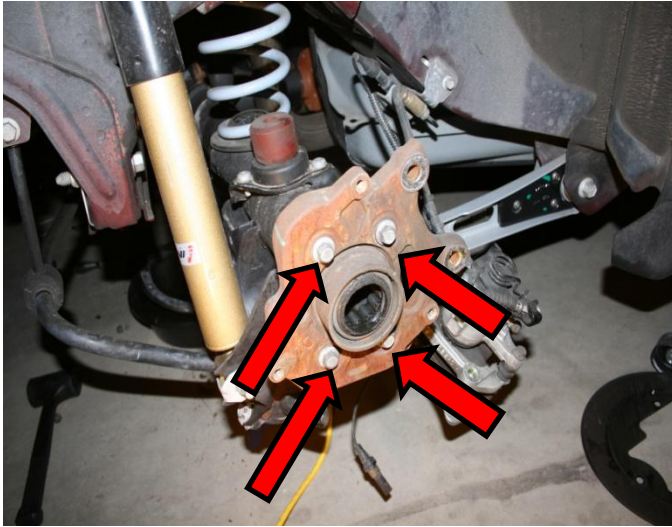
13. Remove the differential pinion shaft (green arrow)
14. Push both axles inwards. Remove the C-clip on both axles with a plier. Discard both C-clips.



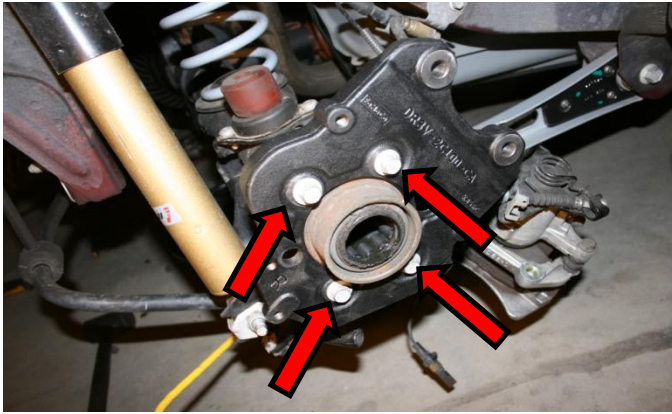
15. Remove both axles carefully without damaging the axle seals. Set both axles aside.
16. Remove 3 bolts of the brake disk shield with a 10mm socket and set dust shield aside.



17. Remove the 4 bolts and nuts of the caliper support bracket with a 13mm socket. Discard the bolts and nuts. Remove the backing plate.



18. Seat the new caliper support bracket (marked L or R) onto the axle housing. Using the 4 new bolts and nuts torque to 68 Nm (50 lb-ft).



19. Re-install the brake disk shield and torque the 3 bolts to 20 Nm (177 lb-in).
20. Repeat steps 15-18 for other side

21. Re-install both Axles.



22. Install both C-Clips (new)

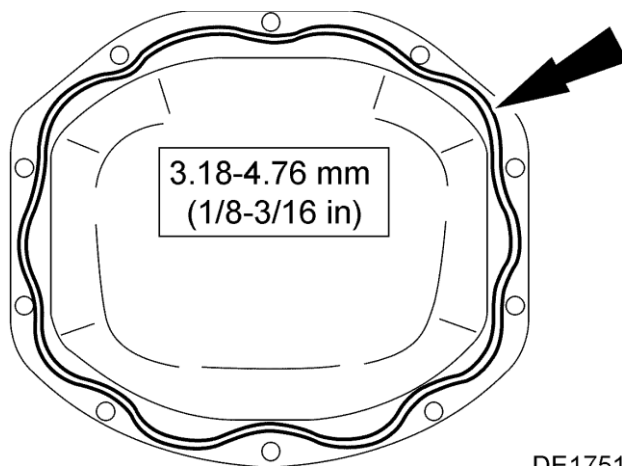
23. Pull both axles outward

24. Re-install the differential pinion shaft. Ensure the hole for the bolt aligns with the holes in the differential.

25. Using the new bolt, install the differential pinion shaft lock bolt. Tighten to 35 Nm (26 lb-ft).

26. Carefully clean the differential cover and differential housing and remove any gasket residue. Do not use a metal scraper. Both surfaces must be clean.

27. Apply a bed of black RTV sealant on the differential cover. Make sure that the bed is covering the bolt holes.



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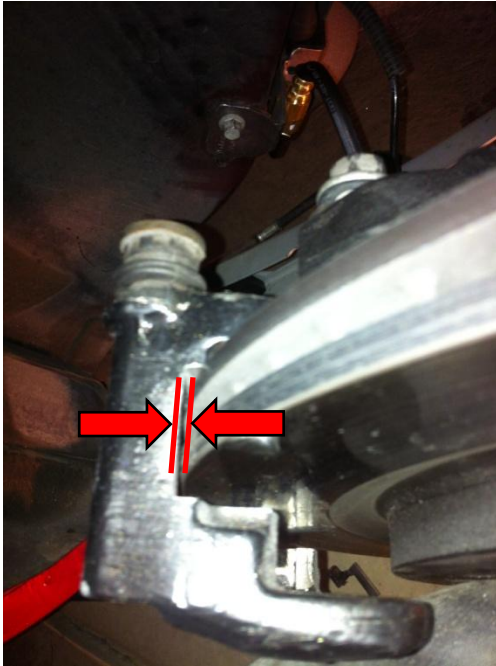
28. Re-Install the differential cover. Tighten to 46 Nm (33 lb-ft) for steel covers and 32 Nm (24 lb-ft) for aluminum covers.

29. Wait at least 1 hour before refilling the differential to let the sealant cure. Fill the differential with the proper fluid as specified in the owner's manual.

30. Re-Install the panhard bar. Tighten to 175 Nm (129 lb-ft).

31. Place the new brake disc onto the axle.

32. Test fit the caliper anchor plate. Check for proper clearance between the disc and the anchor plate. If clearance is too low, using a file grind down some more until proper clearance is given. Install the caliper anchor plate using 2 new bolts and tighten to 103 Nm (76 lb-ft)



33. Install the ABS sensor push pin and the sensor bolt and tighten to 15 Nm (133 lb-ft).
34. If necessary push the caliper piston back in, using a rear caliper tool (piston needs to be twisted back in). Ensure that both holes in the piston itself are vertical (the brake pad has a small pin that needs to go into one of the holes). Install the brake caliper and tighten to 33 Nm (24 lb-ft)
35. Repeat steps 31-33 for other side
36. Install the rear wheels.
37. Done.



NOTE:

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