



# 1

## SuspensionMAXX Advanced Leveling Lift kit 2014 F150 Adjustable from 2.0 inch, 2.25 inch, or 2.5 inch Lift SMX-FD6

1. Jack and support Vehicle under frame and unload front suspension.
2. Remove front wheels
3. Mark the strut location at the top to reinstall the strut in the like same position
4. Lightly support lower control arms during remainder of operations.
5. Disconnect sway bar link at sway bar
6. Loosen upper strut mount nuts 18mm nuts
7. Remove lower Strut mounting nuts 18mm nuts
8. Remove brake hose mounting bracket fastener at frame and steering knuckle. **See FIG 1.**  
(Do not open or disconnect brake hoses)

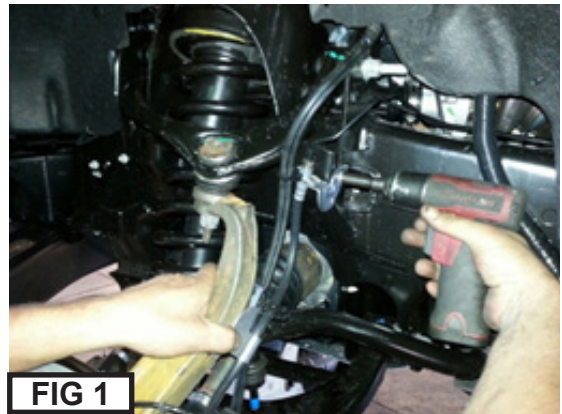


FIG 1



FIG 2

9. Disconnect upper ball joint, Separate ball joint taper. Use care not to damage dust boot. **See FIG 2.**

10. Carefully Relax Lower control arm downward to remove strut. (Use care to guide strut up and out of lower control arm)
11. Press out lower strut mounting studs (This will aide in reinstalling the strut back onto the Lower Control arm.) **See FIG 3.**
12. Assemble MAXXstak advanced Leveling kit to strut mount. (Choose lift heighth)



FIG 3

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## 2.0 Inch

12-A. Stock strut mount. (FIG 2.0A)

12-B. Place the included **Height Trim Gauge Tube** onto one of the studs. (FIG 2.0B)

12-C. Trim the stud flush with the top of the

**Height Trim Gauge Tube.** (*Remove the Height Trim Gauge Tube before continuing*) (FIG 2.0C)

12-D. Stud Trimmed to height. (FIG 2.0D)

12-E. Install the extension nut onto the trimmed stud. (*Chamfered side of nut must face down on the strut mount*) (FIG 2.0E)

12-F. The fully tightened nut should now be taller than the trimmed stud. (FIG 2.0F) (*Repeat steps B-F for each stud.*)

12-G. Install the MAXXstak aluminum spacer. Screw the stud extenders into each of the nuts. (FIG 2.0G)



FIG 2.0A

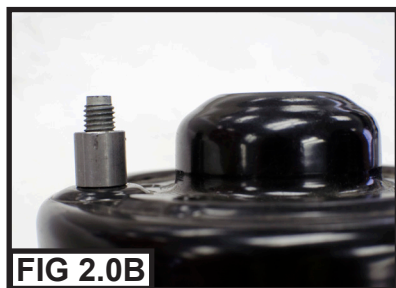


FIG 2.0B

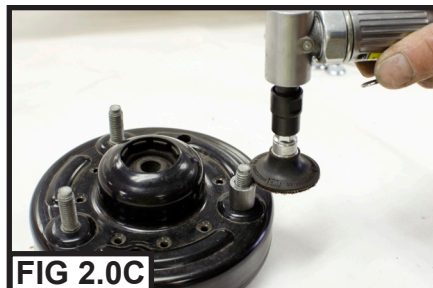


FIG 2.0C

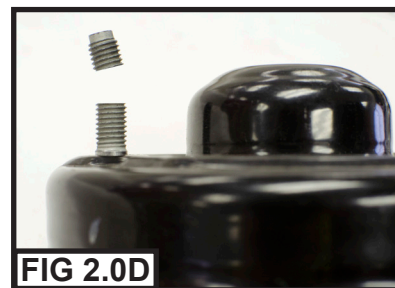


FIG 2.0D

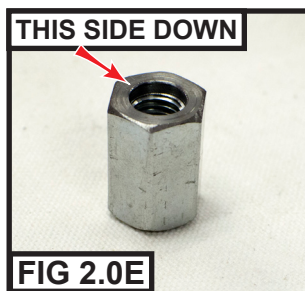


FIG 2.0E

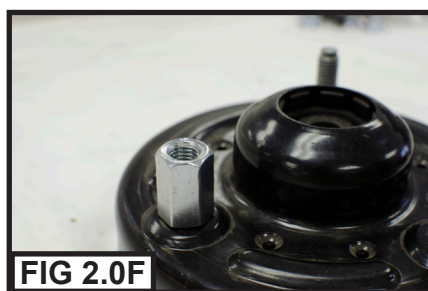


FIG 2.0F



FIG 2.0G

**\*Instructions continued on the bottom of page 4.**

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## 2.25 Inch

- 12-A. Install **ONE** black Shim onto the strut mount. (FIG 2.25A)
- 12-B. Place the included **Height Trim Guage Tube** onto one of the studs on top of the black shim. (FIG 2.25A)
- 12-C. Trim the stud flush with the top of the **Height Trim Guage Tube**. (*Remove the Height Trim Guage Tube before continuing.*) (FIG 2.25B)
- 12-D. Stud Trimmed to height. (FIG 2.25C)
- 12-E. Install the extension nut onto the three trimmed studs. (FIG 2.25D)
- 12-F. Install the extension studs into the three extension nuts. (FIG 2.25E)
- 12-G. Install the MAXXstak aluminum spacer. (FIG 2.25F)
- 12-H. The extension studs should now be taller than the MAXXstak aluminum spacer. (FIG 2.25G)

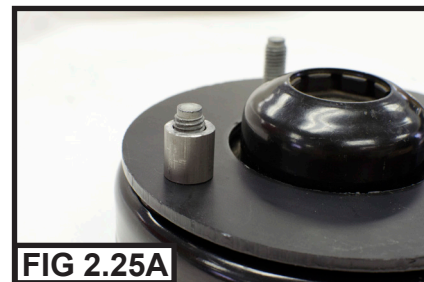


FIG 2.25A

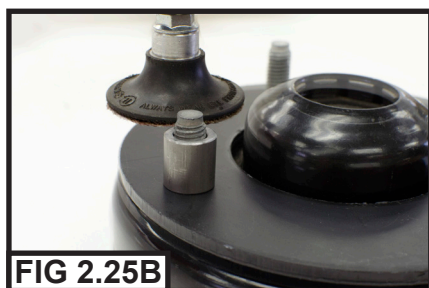


FIG 2.25B

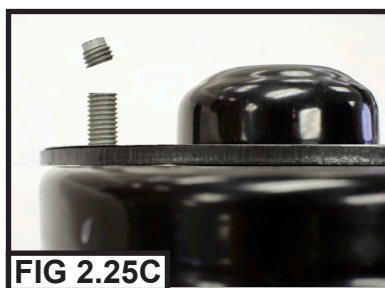


FIG 2.25C

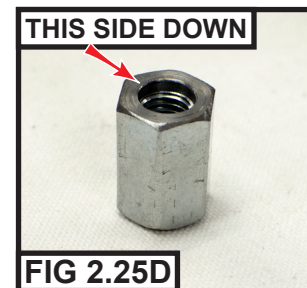


FIG 2.25D

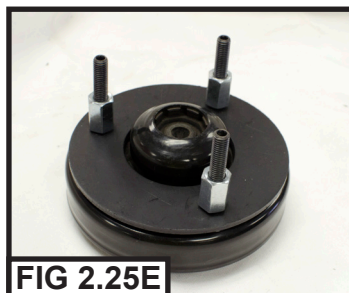


FIG 2.25E



FIG 2.25F



FIG 2.25G

**\*Instructions continued on the bottom of page 4.**

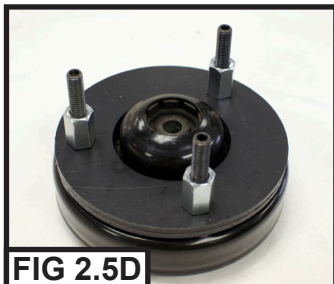
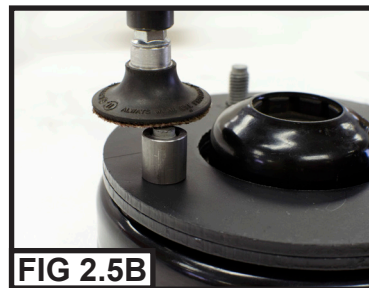
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## 2.5 Inch

- 12-A. Install **TWO** black Shims onto the strut mount. (FIG 2.5A)
- 12-B. Place the included **Height Trim Gauge Tube** onto one of the studs on top of the black shims. (FIG 2.5A)
- 12-C. Trim the stud flush with the top of the **Height Trim Gauge Tube**. (*Remove the Height Trim Gauge Tube before continuing*) (FIG 2.5B)
- 12-D. Install the extension nut onto the three trimmed studs. (FIG 2.5C)
- 12-E. Install the extension studs into the three extension nuts. (FIG 2.5D)
- 12-F. Install the MAXXstak aluminum spacer. (FIG 2.5E)
- 12-G. The extension studs should now be taller than the MAXXstak aluminum spacer. (FIG 2.5F)



- 13. Reinstall Strut back in to the truck. Align the strut mark locations as detailed in **step 3**.
- 14. Align the strut to the lower control arm Reinsert the studs that were pressed out in **step 12**.
- 15. Tighten supplied top strut nuts to 22 ft lbs .
- 16. Torque lower strut nuts to 60 (verify studs seat in strut crossbar)
- 17. Raise lower control arm to attach upper ball joint to knuckle.
- 18. Align and verify CV axle shaft locates into wheel hub squarely
- 19. Torque upper ball joint.
- 20. Tighten CV axle nut
- 21. Re-attach brake hoses to frame and steering knuckle as removed in step 8.
- 22. Re-attach sway bar link nut. As removed in step 5.
- 23. Perform a wheel alignment to ensure proper tire wear.

SuspensionMAXX Advanced Leveling lift kit  
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