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Installation Notes: # 59698
2005-2013 Tacoma, 2007-2013 FJ & 2003-2013 4-Runner
Weld On Spindle Gussets

Note: The factory anti-swaybar cannot be retained when using these spindle gussets. If you wish to use your swaybar, you need spindle gusset part # 59698-SB.

Place vehicle securely on jack stands. Make sure the front wheels are not contacting the ground. Chock both rear wheels of the vehicle to secure it from rolling back.

Remove the front wheels and tires.

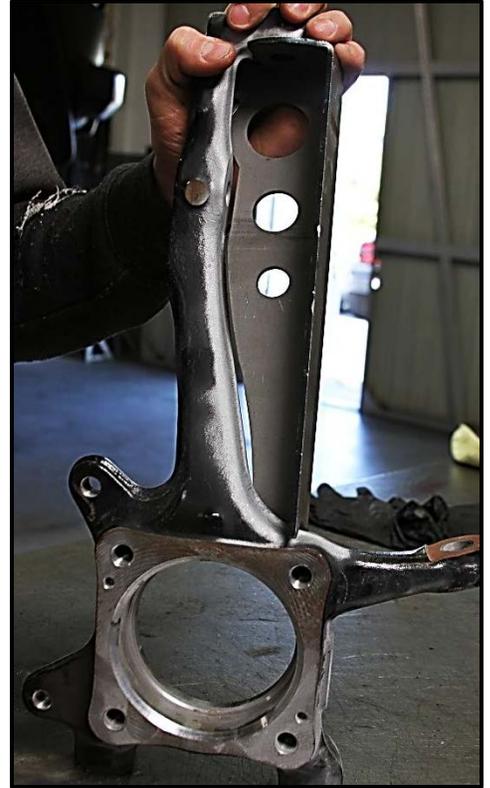
(Before you start disassembly)

- Make sure the vehicle is secure and ready to work on.
- The vehicle suspension should be at max extension.
- Disconnect the negative (-) battery terminal at the battery.

Disassembly:

1. Remove front caliper and rotor.
2. Remove all wheel speed sensors and related wiring from knuckle.
3. Remove metal dust cap which will expose the axle nut.
4. Remove cotter pin and remove axle nut (36mm socket).
5. Brake loose the four bolts (17mm) that hold the bearing assembly into the knuckle, just brake them loose, do not remove them.
6. Remove the cotter pin from the upper ball joint and loosen the upper ball joint nut.
7. Remove the cotter pin and loosen the tie rod nut.
8. Separate both the upper ball joint and the tie rod from the knuckle.
9. Remove the two 19mm bolts that attach the lower ball joint cradle to the knuckle.
10. Support the Knuckle in one arm as you use a dead blow hammer to knock the axle out of the hub assembly. At this point the knuckle should be free from the vehicle remove it and set it on the bench.

11. Now completely loosen the 17mm bolts that hold the bearing assembly into the knuckle (you will have to work the bearing assembly out of the knuckle as you loosen the bolts, the bolts will stay in the bearing assembly).
12. Once the knuckle is bare you need to hold the gusset up to the knuckle and mark where paint needs to be removed.



13. Once the paint is removed hold the knuckle up to the upper control arm and insert the ball joint (or 9/16" bolt) through the knuckle and the spindle gusset plate. Tighten the ball joint nut to secure the gusset plate in place and tack the gusset to the spindle in numerous locations. Then remove the spindle from the upper control arm.



14. Weld along complete top and sides of the spindle, also weld the bend seam. Weld the lower portion of the spindle gusset closest to the hub on both sides in and out. (It is recommended to weld in moderation, do not overheat the spindle.) ****Recommended: Weld some on one spindle, then move to the other spindle so you do not overheat one spindle.**



15. Paint the welded areas and new gusset itself. Re-install the upper ball-joint (95ft lb) (or 9/16" bolt 100ftlb), lower ball joint cradle, hub assembly, axle nut and dust cap, tie rod, rotor, caliper, and wheel speed sensors.

16. Re-install wheels.

*** Torque all lug nuts before driving.**

*** Do a visual on Complete install before driving!!**

Factory manual is recommended for removal and re-installation of all factory components.

