

## Chapter 4 (Video Clip 4) – Changing Oil and Grease Job



- Changing Oil
- Air Cleaner Service
- Grease Job

1. Every 1,000 miles or every 6 months change the oil and grease the front suspension.

Every 2,000 miles or yearly service the air cleaner.

### Changing Oil:



2. Crank the car to warm up the car engine for about 5 minutes then turn the engine off.



3. Jack up the car rear for easier access.



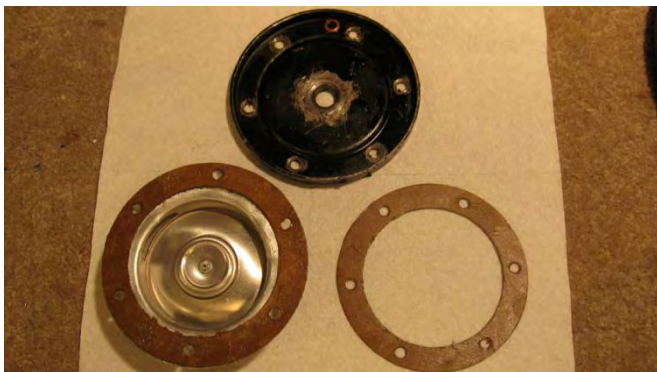
4. With a 21mm or 13/16” wrench (socket) remove the center oil plug and drain the oil.



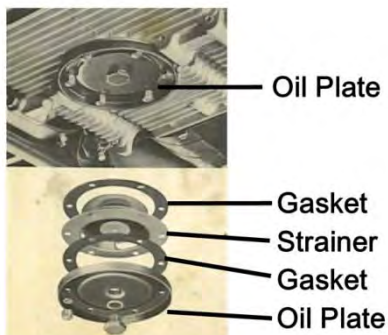
5. With a 10mm socket remove the 6 flange bolts.



6. Clean the strainer and flange with mineral spirits and replace the gaskets.



7. Rub grease on the gaskets so they will stick to the oil plate and strainer so they will be easier to install.



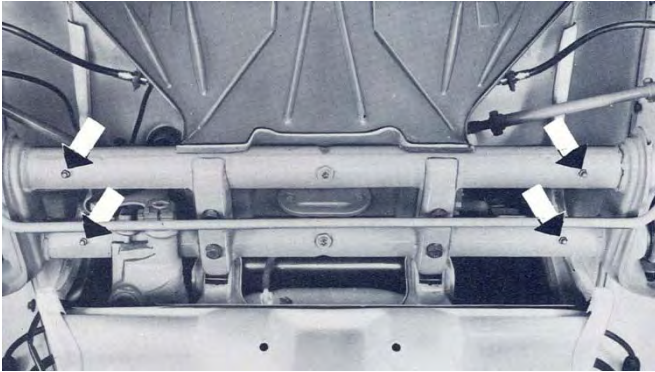
8. Reinstall the oil plate assembly per the blow up of the oil plate and gasket and strainer assembly as shown.

Then add 2-1/2 Quarts of 30 weight HD oil.

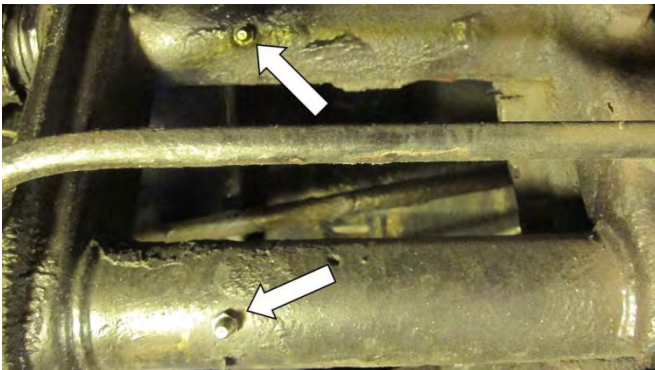
## Grease Job:



9. Jack the front of the vehicle and support it on jack stands. The grease will not go in properly unless the vehicle is raised.



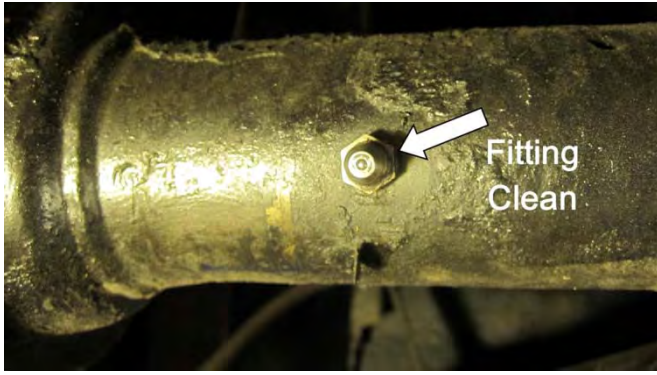
10. The arrows depicts the 4 grease fitting on the front of the VW suspension.



11. Two fitting on each side of the car.



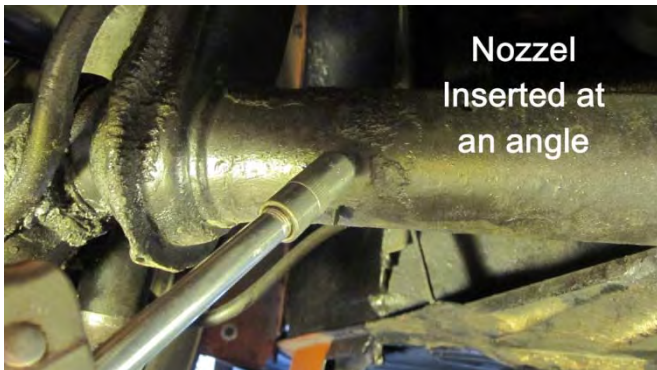
12. Wipe each fitting with a clean cloth or paper towel until the ball is shiny prior to pumping in grease.



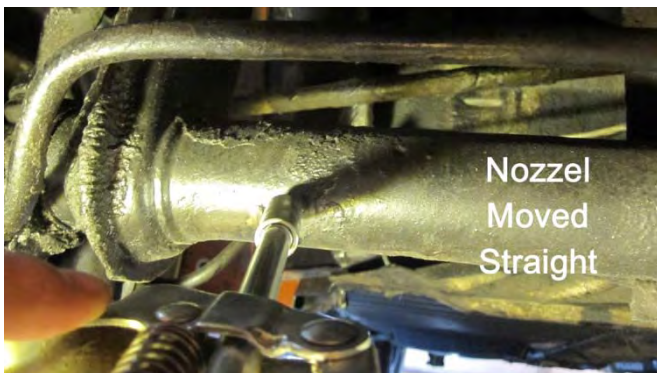
13. Grease Fitting shown clean.



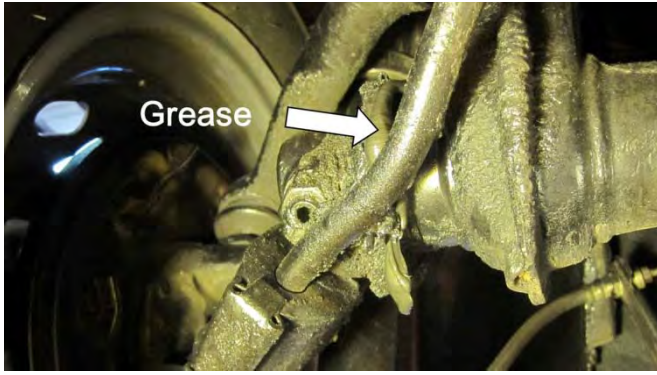
14. Force a little grease out of the gun on the rag or paper towel to remove any contaminated grease.



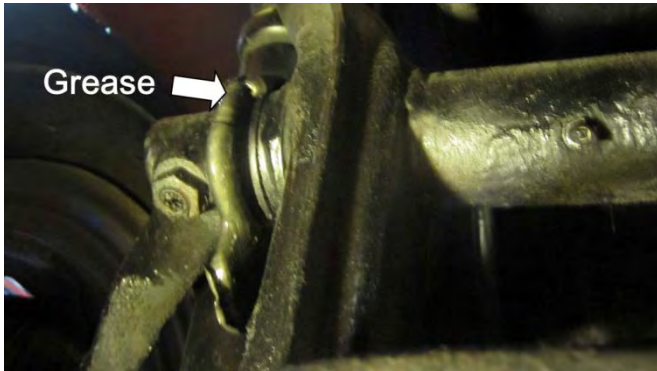
15. Insert the grease gun nozzle over the fitting. It helps to push the nozzle over the male fitting at an angle and then move straight prior to pumping grease.



16. Nozzle is now shown straight or perpendicular to the male fitting.



17. Squeeze the lever of the grease gun to force grease into the fitting until fresh grease appears in the joint between the torsion arm and axle beam or the tie-rods. Note keep pumping, you want to change the grease not just top it off.



18. Grease shown forced out of the joint.



19. Wipe the excesses grease with a paper towel as needed. If you have a bad fitting that want take grease, then replace the fitting.



20. Carefully lower the vehicle and clean up the grease gun and store all tools and supplies.

## Servicing the Air Cleaner:



21. Wash and replace the oil in the air cleaner every other oil change. With a flat head screwdriver loosen the screw between the air cleaner and the carburetor.



22. Disconnect the vent hose as shown and lift the air cleaner off the carburetor



23. Clean up the air cleaner with mineral spirits.



24. Add approximately ½ quart of oil into the cleaner and reinstall the air cleaner on the carburetor.

25. Clean up area and store tools. Crank the car and check to make sure there are no oil leak.

*Cost \$10.00; Approx 3 Hours*