996 Turbo - Oil Change Instructions

Tools Needed:
- Oil Filter Removal Tool
- Oil Tank drain plug-->19mm socket and 27mm wrench (1 1/16 will also work)
- Crankcase drain plug-->15mm socket
- Turbo drain plug (1 each side)-->8mm hex
- Torque Wrenches (I have two since torque values vary)

Parts Needed:
- Oil Filter and new O-rings (oil filter will come with large ring) small is 999 707 465 40
- Aluminum Sealing Ring (crankcase) 900 123 118 30
- Aluminum Sealing Rings (turbo x2) 900 123 140 30
- Copper Sealing Ring (oil tank) 900 123 010 20
- 9 quarts of oil (e.g. Mobil1 5W-50)

Go for a short drive to get everything warmed up. Make sure to have eye protection and gloves (e.g. latex gloves).

**disclaimer....you can change steps up and it won't make a bit of difference. Some like to remove filter first and leave off until done. Or like this set of steps.

Instructions:

1. To prevent engine from firing over with fuel trapped in injector, pull/remove C4 fuse BEFORE you drain your engine oil. Crank engine over and you might get a quick fire on a couple cylinders. Now proceed to oil change.

Remove crankcase drain plug and drain oil. This requires a 15mm socket. Drains just a few quarts. Once drained replace drain plug using a new aluminum sealing ring. **Tighten to 52 ft-lbs.**
2. Remove oil tank drain plug. Requires a 27mm wrench and 19mm socket. **Use 27mm wrench to apply force OPPOSITE to removal of drain plug.** This prevents damage to oil container from torque generated when removing. **BE CAREFUL HERE!** Oil from tank is large in quantity and splashes out. Make sure you have taken appropriate precautions to prevent splatter. I use a funnel type oil collector. Once drained, replace drain plug with a new copper sealing ring. **Tighten to 44 ft-lb.**

3. Remove turbocharger drain plug and drain out a few ounces of oil. Replace drain plug with a new aluminum sealing ring. **Tighten to 22 ft-lb.** Do 2x (one for each Turbo).

**FYI....OIL FILTER IS IN ENGINE COMPARTMENT**

4. Remove oil filter housing with filter removal tool, requires a 27mm socket. Once removed, clean and replace two rubber o-rings, coat with a film of new oil. Remove old filter. There is a good amount of residual oil, remove this oil (e.g. medicine dropper). Insert new filter - it will "snap" when it seats properly. Pour a little oil into center of oil filter element (one quart). It's slow going but oil prelubes cam housing, vario-cam and turbochargers. Replace filter cover. **Tighten to 19 ft-lb.**
5. Add 8 quarts of oil with a funnel, put oil filler cap back on.

6. Once filled, crank engine over (5 to 8 second in duration - may have to do this 2 or 3 times). Check that pressure gauge exceeds 2 bars.

7. Refit fuse and start engine. Once up to operating temp - check oil level and top off as needed.