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)

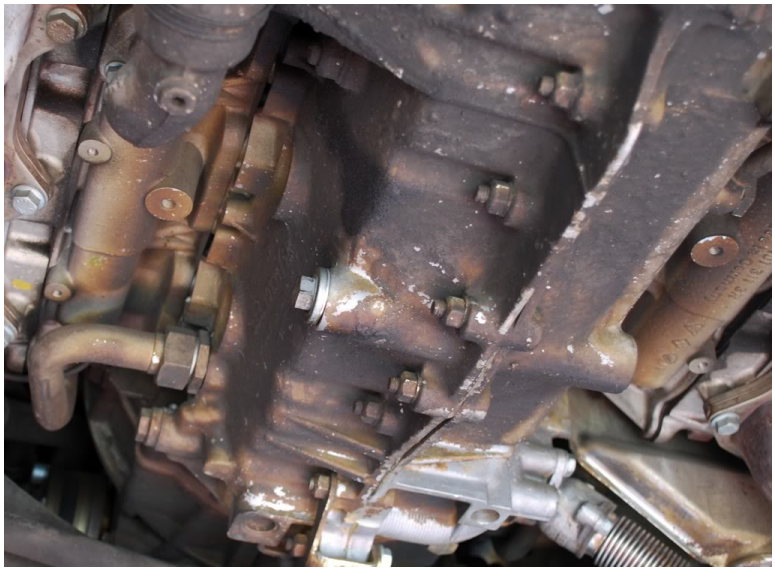
Parts Needed:
Oil Filter and new O-rings (oil filter will come with large ring) small is 999 707 465 40
Aluminum Sealing Ring (crankcase) 900 123 118 30
Aluminum Sealing Rings (turbos x2) 900 123 140 30
Copper Sealing Ring (oil tank) 900 123 010 20
9 quarts of oil (e.g. *Mobil1 5W-50*)

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 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 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 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.