

# SUBARU BRZ OEM OIL COOLER KIT

1. Start by removing air then oil filter. (there is no need to drain engine oil)
2. Remove the 24mm oil filter screw then fit the Modine along with longer screw (21317AA070) Do not tighten down yet.



2. Install the water feed pipe on passenger side of Modine (99078AB490) with the 2 hose clips supplied in kit (805918010)
4. Bolt the metal pipe to timing chain cover (21328AA220) using the 2 bolts supplied (808206010)



**5. You will now need to get underneath the car. You need to remove the 6mm allen key bung which blocks of a coolant passage on the engine on the upper oil sump. You will lose some coolant from undoing this.**



**6. Install the Adaptor which uses the barb fitting so the 12mm Hose supplied can be pushed on and tightened with a jubilee clip.**



**7. Once the hose is fitted to the barb fitting on the upper sump pan, you then need to join the hose to the metal pipe which was bolted to the front of the timing covers. (Hose Supplied will need to be cut to required length)**



**8. Take the rubber hose off the metal coolant line which has been highlighted in picture below**



**9. Follow the metal water pipe to the back of the cylinder head then remove the 2 coolant hoses attached and also the bolt which secures it to the cylinder head**



**10. Now that you have the BRZ metal coolant pipe off you will notice on the new coolant pipe, the heater hose take off is a 90degree instead of straight up, this will not affect the original BRZ heater hose although it is a little more tricky to get back on without having a kink in the pipe but can be**

done. Also, the little pipe next to heater take off is slightly longer, simply put push the original BRZ hose on as far as it can go and move clip up on the pipe or you are more than welcome to trim original BRZ hose. Attach the front hose which was removed in step 8. Once the hoses are reattached, bolt back to cylinder head.



11. You are now done under the car for now. it's time for the smaller length of hose which is supplied in the kit, (10mm Hose) Attach the 10mm hose to the right hand port on the Modine and use clip supplied (805918010) to secure it to Modine, the hose is close to the Injector protector shield on the inlet manifold but fits no problem. Now tighten the Oil Modine screw (24mm) to 54Nm



**12. Route the hose down the side of the rocker cover along side the wiring loom for the AVCS Solenoids. The use a tie wrap to secure hose to wiring loom. Then cut the hose to needed length and push it on the metal water pipe take off underneath the car and securing it with clip (805918010)**



**13. Now the hoses & pipes are fully installed you can now refit air box & oil Filter (or new filter if you have purchased a new one)**

**14. Top up the coolant and bleed the cooling system to make sure there is no trapped air in cooling system.**