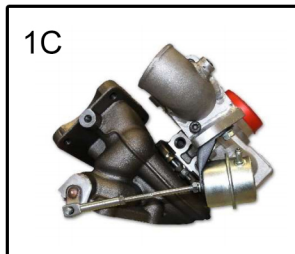
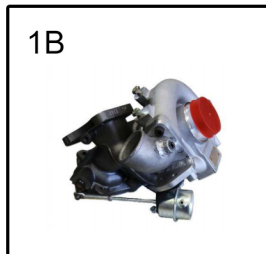
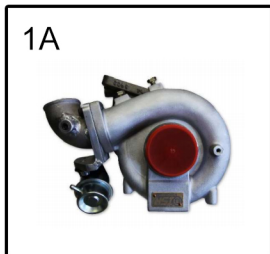
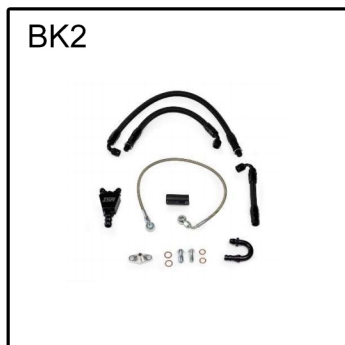
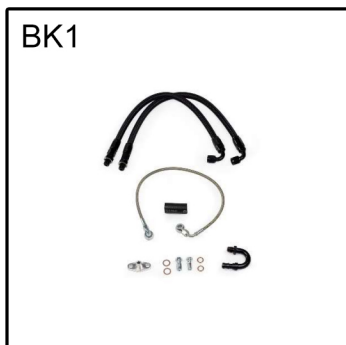


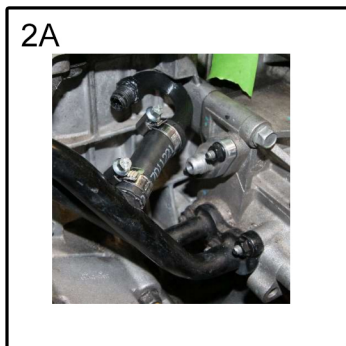
1. The turbocharger has to be clocked from its original oem orientation in order to work with the kit. This is achieved by loosening the vband clamp for the turbine housing and snap ring for the compressor housing. Verify that the oil feed is at the top and drain is at the bottom of the center section.
2. Install the compressor outlet pipe with gasket using the supplied M6 Socket head hardware. Next install the internal wastegate actuator. Make sure the actuator rod lines up with the wastegate flap. Make sure the turbocharger orientation matched figures 1a, 1b and 1c before it is installed onto the manifold.



3. You will have received turbo lines according to the generation of your engine, either BK1 or BK2.
The installation is very similar with the exception of the BK2 lines using a Y connector to integrate to your factory oil cooler.

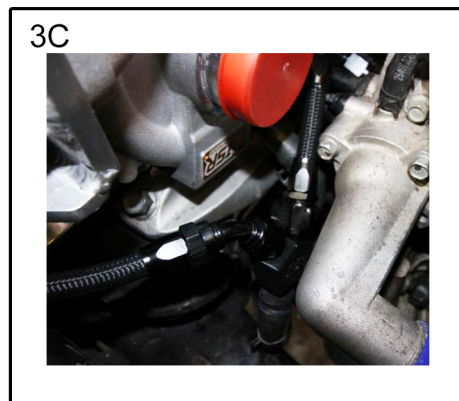
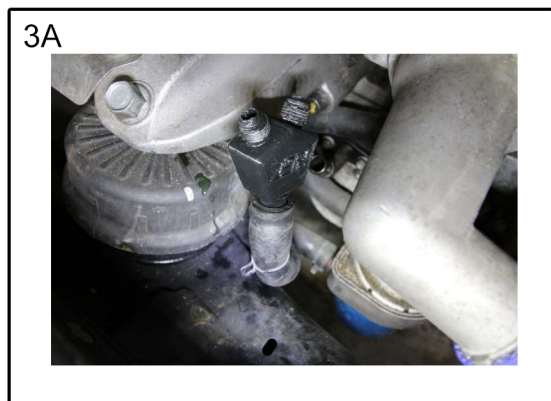


4. Install the 6an coolant block and the 6an coolant j adapter to the oem coolant ports as shown in figure 2a. Next install the straight end of the 90 degree coolant line to the J adapter and run the 90 degree fitting along the oem coolant pipe to be installed to the CHRA of the turbo as shown in Figure 2b.

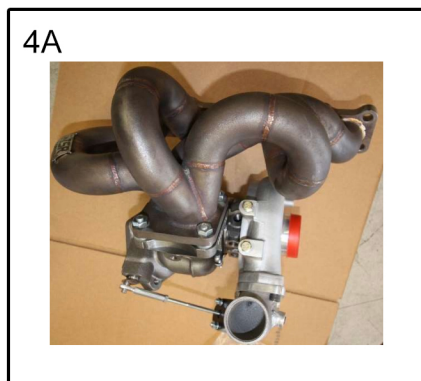


5. For BK1 engines, connect the 120 end line to the 6an coolant block. This line will run in front of the turbo to the outside (frame side) coolant port of the CHRA.

For BK2 Engines, connect the bottom of Y block to the oem oil cooler line. Fig 3a. Next connect the short 120 end line to the 6an coolant block and the straight end to the y block. Fig 3b. Connect the 45 degree line to the Y block. This line will run in front of the turbo to the outside (frame side) coolant port of the CHRA. Fig 3c



6. Mount the turbocharger to the manifold and Install the OEM Hyundai turbo drain tube from you BK1 or BK2 turbo onto the TD05, install 6an adapters into the coolant ports of the turbo. Figure 4a, 4b.



7. During the Install of the turbocharger and manifold, before bolting the manifold down it will be easier to install the 6an coolant line that is running along the oem coolant hard line to the turbo. Bolt the manifold down and connect the oem oil drain and the coolant line the runs along the front of the turbo to the outside coolant port of the turbo. Figure 5a. Next install the 3an oil feed line to the block and route it alongside the turbo coolant line. Install the banjo fitting into the top of the turbo. Figure 5b.

8. Reinstall intercooler piping and intake piping to complete installation.

