



DEVIANT RACE PARTS

**SO YOU CAN
GO FASTER**



INSTALL GUIDE



2ND GEN SINGLE TURBO KIT

PARTS LIST



- 1 - ATS 3 Piece T4 Manifold
- 12 - Socket head Manifold Bolts
- 4 - Grade 8 Turbo to Manifold Bolts
- 6 - Exhaust Gaskets
- 1 - BorgWarner Turbo
- 1 - New HX40 Style Down Pipe and Clamp
- 1 - Oil Feed
- 1 - Oil Feed Line
- 1 - Oil Drain Line
- 1 - Oil Filter Housing Plug
- 1 - 1/8" NPT-4AN
- 1 - 1/4" APT- 4AN
- 1 - 10AN Block Drain Fitting
- 1 - 10AN Turbo Drain Fitting
- 1 - 5" Powdercoated Intake
- 1 - 5" Molded Intake Boot with Clamps
- 1 - Re-Usable Filter
- 1 - 3" Intercooler Boot With Clamps
- 1 - Powdercoated Intercooler Pipe
- 1 - 90 Degree Charge Air Pipe/ With O-Ring
- 1 - V-Band Clamp
- 2 - 16mm-1.5 Coolant Plugs
- 1 - 4" Exhaust Band Clamp



Start by installing the T4 Exhaust manifold with provided gaskets and hardware.



We like to install the turbo in pieces. Pictured is the turbine housing removed then installed onto the manifold with provided T4 gasket and hardware.



On the side of the oil filter housing remove the factory turbo oil feed line and fitting and install provided plug.



On the top of the oil filter housing remove the 1/8" NPT plug and install the new oil feed fitting.



Remove the grid heater solenoid from the battery tray and drill two 3/16" holes in shown locations.



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Relocate the grid heater solenoid to the top edge of the battery tray and drill two 3/32" holes into the battery tray. Use the two factory bolts to fasten the solenoid to the battery tray.



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Install the 1/4" NPT - 4AN fitting into the oil feed port of the turbo



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Install the 10AN oil drain fitting on the turbo cartridge (We use a small amount of silicone along with gasket)



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Now install the center cartridge of the turbo with the compressor housing removed. Be sure the oil feed and drain locations are perfectly vertical before tightening.

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Install the cast charge air elbow onto the compressor housing with provided clamp and o ring and leave loose.

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Install the compressor housing onto the turbo.

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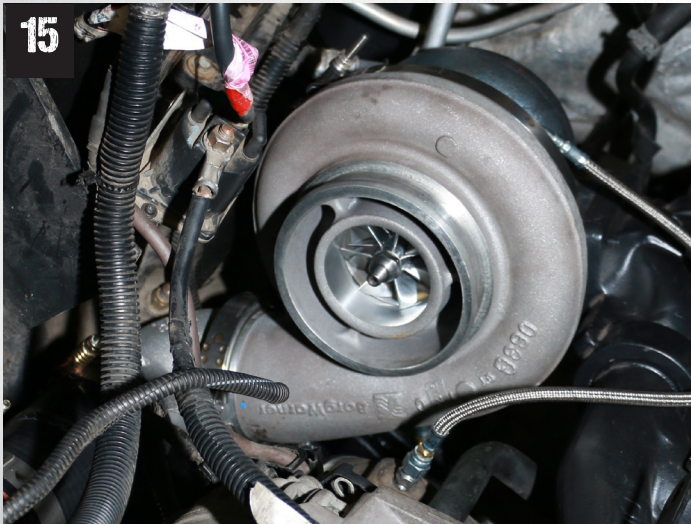


Slide the provided intercooler boot and clamps onto the intercooler pipe.

14



With compressor housing and charge air elbow loose maneuver the intercooler pipe onto the elbow and into the intercooler.



Once the intercooler pipe is installed tighten the compressor housing, charge air elbow, and intercooler boot clamps.



Install provided 4 AN oil feed line on the oil filter housing to the turbo as shown.



Install the 10AN oil drain fitting into the existing oil return location in the block.

18

Install provided 10AN oil drain line to the turbo and block fitting.



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Install the molded intake hose, steel intake pipe and air filter with provide clamps.



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Install the down pipe onto the turbo with provided clamp then hook up to existing exhaust with the stainless steel band clamp.



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Chris recommends a Jack and Coke after completion.



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