



VNT BOOST CONTROLLER

BC-VNTC



The HPD BC-VNTC [variable nozzle turbo] controller is a reliable boost controller for all turbo chargers that have a variable nozzle exhaust housing and a vacuum controlled actuator.

This controller will allow the turbo to be set at a predetermined boost level. Giving stable control throughout the entire rev range.

Installation and adjustment is very easy by screwing cap clockwise to raise boost and anti-clockwise to lower boost.

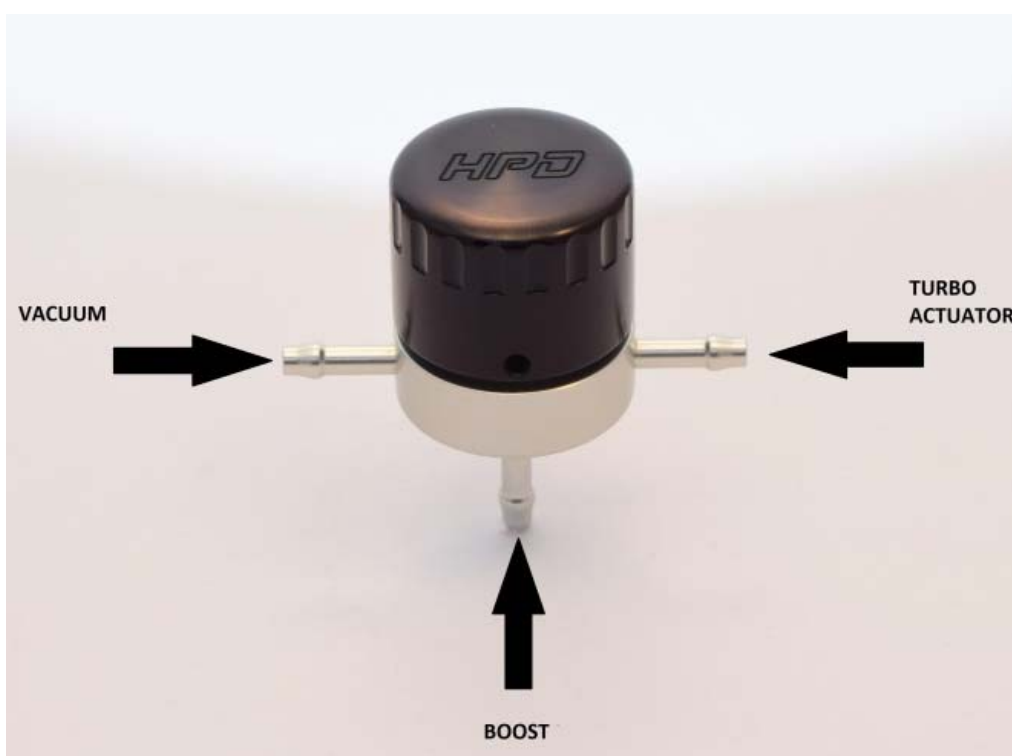
Installation steps:

- Connect a boost source from intercooler or pipe work to the single hose tail on end of controller with 4mm silicone hose.
- Identify the electronic boost pressure control solenoid on you vehicle. Photo below is an example of an electronic boost controller.



- Identify the vacuum hose from vacuum pump to the electronic boost controller. Remove the hose from electronic boost controller and connect it to one of the 2 hose tails on the side of the HPD boost controller.
- Identify the vacuum hose from the electronic boost controller to the actuator on the turbo charger. Remove the hose from the electronic boost controller and connect it to the other hose tail on the side of the HPD boost controller.
- We suggest dyno tuning the vehicle to set the correct boost pressure.
- To set the required boost pressure you will need a boost gauge fitted to the vehicle.
- Unscrew top cap so you have about 5mm gap between top and bottom housing.

- Check the maximum boost pressure. Adjust if necessary. Screw the cap of the HPD boost controller clockwise to increase the boost pressure. Screw the cap of the HPD boost controller anti clockwise to decrease the boost pressure.
- Tighten the grub screw in side of cap to lock the cap in position.
- ***** ENSURE ALL HOSES ARE SECURELY CLAMPED TO HOSE TAILS WITH THE SUPPLIED ZIP TIES*****



| <u>QUANTITY</u> | <u>PART</u> | <u>DESCRIPTION</u> | <u>PACKED</u> |
|-----------------|-------------|------------------------|---------------|
| 1 | BC-VNTC | VNTC BOOST CONTROLLER | |
| 1 | HTT-1/8-6 | 6MM THREADED HOSE TAIL | |
| 0.5m | SB-4 | 4mm SILICON BOOST HOSE | |
| 3 | ZIP TIE | 2.4mm X 168mm ZIP TIP | |