

COMPONENTS FOR AUDI® • PORSCHE® • VW® TOUAREG®

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Street or Track - just a twist of the wrist AUDI TURBO CARS ONLY: TYPE D • BOV **USER ADJUSTABLE FOR STREET AND TRACK 4TH GENERATION** SUPER VALVE WITH MICRO ADJUST DIVERTER AND BOV (ALL IN ONE)

Up to now, making your Audi BOV quiet for normal use has meant pulling your BOV off and re-installing for performance driving or track use. Not any more with Type D+BOV. Every Audi enthusiast's dream has now come true. The ultra engineering BOV produces maximum throttle response and power in FULL BLAST mode and with a flick of the wrist, your car can run quiet for street use. The diverter is ultra high quality. No plastics used. **Diverter Valve Upgrade** The stock OEM Diverter valve Audi uses in its cars has never been widely accepted by the true enthusiast. Upgrading this valve has always been mandatory for high performance driving. Now you get a beautifully engineered alloy Diverter valve with full user selectable BOV levels with incremental ratchet style adjustment. One 4th generation product accomplishes 2 basic functions; a Diverter upgrade and a fully adjustable BOV tuned for Audi cars utilizing DBW (drive by wire). All Audi cars are now DBW drive by wire, except early A4 (1997 – 1999) and early S4, S6 (C4) cars. On these older cars the valve is perfect for increasing hidden performance.

The Type D•BOV Secrets Revealed By utilizing a unique air diverting system, for the first time the Audi enthusiast can control how much air is "dumped to atmosphere" for noise or alternatively redirecting to the inlet for silence. By rediverting the vented air to the inlet, no restriction is introduced and the D:BOV continues to operate at maximum performance efficiency. For Audi cars with newer sensitive air flow metering (i.e. "drive by wire" Audis), the valve can be tuned to vent sufficient air back to the inlet to dissipate hesitation (the Audi lean second) while still providing a loud blow-off noise. And one of the coolest features is that with a simple flick of the wrist, you adjust the ratchet style head to finely tune the precise amount of air to each venting port, giving you direct control over how loud your gear changes are. The D • BOV does it all for your performance Audi.

THE TYPE D:BOV AND THE AUDI ADVANTAGE

1. Fingertip control over how loud your shifts are! By simply turning the lower ring of the cap, you choose the amount of air to be vented to either atmosphere or inlet. This gives you complete fingertip "noise control" over your shifts.

2. For Audi cars with Drive By Wire (DBW)! All Turbo Audi cars produced after the 1999 A4 have the DBW feature. Installed in the inlet is a sensitive metering device to monitor air flow, air temperature, air humidity and air velocity. Up until now your "every day BOV" could not handle the sensitivities of the air flow meters causing the Audi lean second. Not so with the Type D•BOV which allows for a 90% (with fingertip adjustment) redirect to inlet if so chosen in just a few seconds.

3. No tools needed for spring adjustment! Spring adjustment is achieved by a unique mechanism contained within the D:BOV. This means no tools are required for adjustment. This internal control means the design profile of the top cap remains ultra low as the cap does not move up and down during venting to the atmosphere.

4.Patented piston designed seals are the best! Special new seals at either ends of the piston ensure maximum throttle response. With Type D•BOV you get the new ACETEL piston seals. Plus a low friction lubricant impregnated polymer piston ring is incorporated for both top and bottom seals. The type D•BOV is far more reliable than the typical O ring solution found on all other every day BOVs which constantly require maintenance, tear down and replacement O rings. What a pain!

5. Audi's tight engine bay presents no problems! Once again, good design helps the Audi enthusiast. The connecting vacuum nipple is free to rotate the full 360 degrees of the valve to make installation and fitment easier.

6. Diverter valve was always a weak link! We are not sure why Audi chose plastic low value Diverter valves for use throughout the Audi range of turbocharged cars, particularly on the S4B5. With Type D•BOV you get an ultra high performance Diverter valve upgrade plus fingertip control of BOV functions. It's two super products in one.

7. No high performance 2.7T (S4/A6) plus 1.8T and S4/S6(C4) should leave home without it! If your Audi car has a modified ECU, if you drive hard, if you want better throttle response and if you want fingertip noise control plus a superior diverter valve, this product is for you. If you own an Audi TT, this simple upgrade is a must to ensure better and smoother response. Twin Turbo S4 cars will immediately benefit from the D • BOV as manufacturer's testing has proven that no other valve on the marketplace works effectively. 1.8T cars with and without ECU mods will appreciate the reduced level of engine strain.

Technical Specifications for those inclined

The D:BOV has two venting outlets that are "staged". Other competitive valves use one stage and therefore do not function well in a DBW (drive by wire) Audi environment. The first "recirculation stage" is positioned at the bottom of the valve so it will vent with the slightest movement of the pis-ton. The second "trumpet stage" is positioned precisely 4 mm higher so it opens only after the recirculation port. With normal hybrid valves, the split is approximately 40%/60% (but it is always fixed) between vented to atmosphere air and recirculation to outlet respectively. With Type D:BOV, the ratio is infinitely variable. Now here is how it works.

During light throttle lift-offs when cruising with your LLTEK equipped Audi, the primary piston will only lift 4 - 6 mm; therefore the majority of air is recirculated to inlet and only a little noise will be heard (unless you adjust otherwise). However, when you lift-off after hard acceleration, two magical events occur. First, your "pressurized" (boosted) air must escape both the inlet pipe and the intercooler (even high performance intercoolers), opening the piston fully and giving a loud "whoosh". Within seconds the pressure is evacuated from the inlet system allowing the Turbo to con-tinue to spin and pump air through the valve. Even though the car is venting to atmosphere, a sufficient volume of air goes to inlet and passes

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through the air flow metering system, reducing hesitation (the lean Audi second) or backfire.

Your Audi ECU (or modified Audi ECU) will always deliver fuel to suit the flowthrough air to inlet, even though much has been vented to atmo-sphere for a split second. Because of the unique 2 stage design, once pressure is evacuated from the system, the piston begins to close, forcing additional air back to the recirculating outlet, further reducing the chance of hesitation and backfiring. And now you control the process, the blowoff noise, the timing, and the between shift venting and noise. The Type D•BOV is Diverter and BOV all in one solution for Audi. Let your fingers do the adjusting!

Spring adjustment: Ratchet infinitely variable 360: Vacuum nipple rotates 360 degrees for

Sound: Rotate the sound adjustment ring for noise control.

Limited sound performance with automatic/CVT equipped cars Valve and spring specifications tuned for the 1.8T and the 2.7T by GFB enhanced for LLTEK. Two LLTEK decals included.



1 D•BOV kit for 1.8T GFB00-01 \$ 388 ea 2 D•BOV kit for 2.7T GFB00-02K \$ 722 set equipped cars.

BLOW-OFF / DIVERTER VALVE

PART NO.

PRICE



DESCRIPTION





Performance Alloy Wheels 17, 18, 19 in.



Zender Tunerad



Zender Authentic

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ZenderImpulse3-piece

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Statüs Comp TC HDBP*

> Statüs Concept Five HDBP*

Statüs
P6000

Contact LLTEK for all your high performance alloy wheel needs! Toll free 1-888-465-5835

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* HDBP: These wheels have dual (2) hidden built-in bolt pattern 1. 5x112: for A4, A6, A8, VW Passat and Phaeton 2. 5x100: for TT, VW products (except VW Passat / Phaeton)



Statüs
Mesh
HDBP*

Close and

Performance Wheels

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