

PROVEN

Haldex Performance Upgrade

Drifting in an R32 or Audi TT? You bet.

When Volkswagen first rolled the R32 in front of a bunch of journalists, I remember thinking it was far too cool to ever come to the U.S. I figured it would go the way of the Rallye Golf, a few cars making it Stateside via dubious paperwork, dark warehouses and stacks of cash. Fortunately, I was wrong.

VW's gamble on the R32 has paid off handsomely. Dealerships throughout the nation are selling every car in stock. That means there are nearly 5,000 R32s in North America, not a huge number but impressive

Most folks are very happy with the car. And they should be. Its 3.2-liter VR6, sophisticated suspension and all-wheel drive conspire to make it the best value in the sport compact segment.

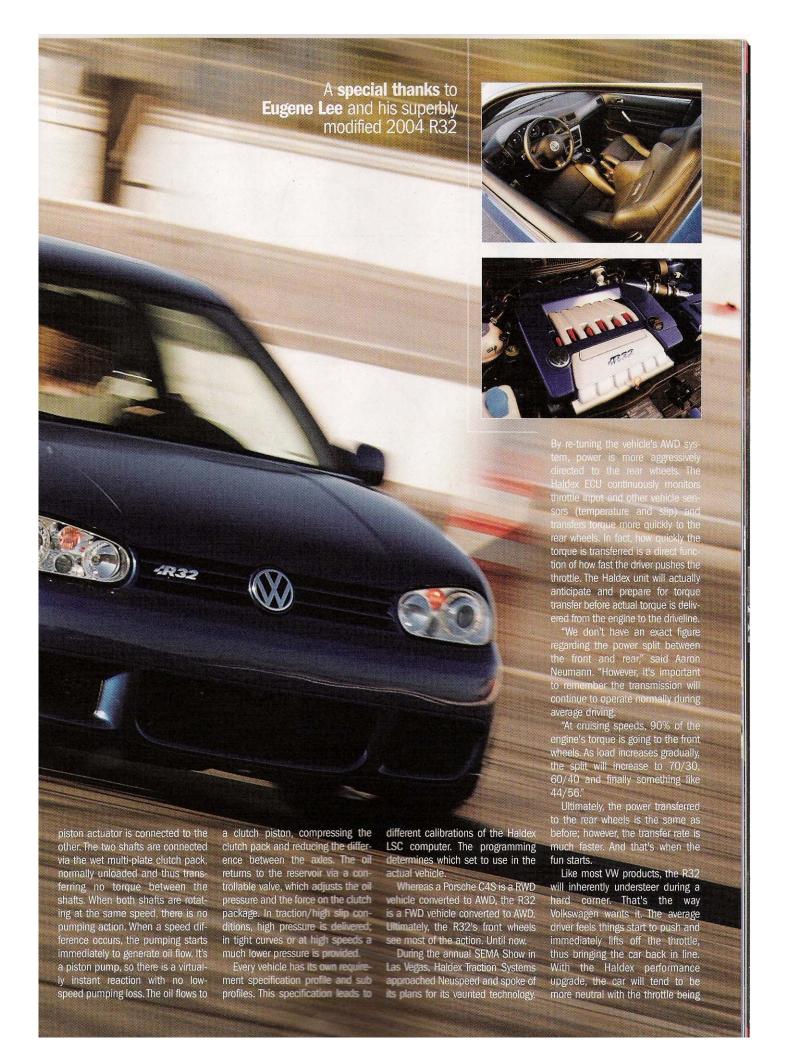
If you're reading this, chances are you want an edge on fellow R32 owners. Neuspeed and Haldex can supply that edge. Actually, the edge is more like a Kbar tactical blade.

The AWD systems on the R32 and Audi TT are based on the Haldex LSC, a rather complicated bit of Swedish engineering. The Haldex LSC is comprised of a hydraulic pump, a wet multi-plate clutch and an electronically controlled throttle valve. The unit can be viewed as a hydraulic pump in which the housing and an annular piston are connected to one shaft and a

By Les Bidrawn Photos by the author



The Haldex/Neuspeed upgrade is a simple "remove and replace" deal. Five minutes and a 4mm hex wrench will transform your R32 or TT.





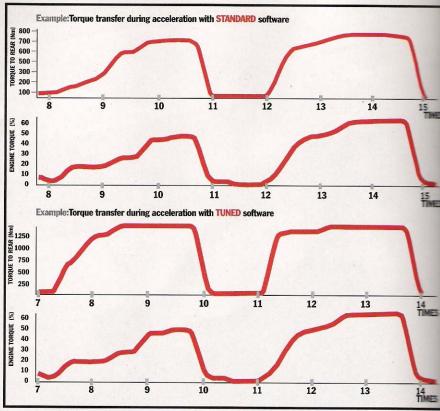
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As seen here, the transfer of twist to the rear wheels happens much quicker with the new Haldex software. It translates to less understeer and more neutrality with a hint of power-on oversteer.

SoCal R32

On May 16, 2004, Daria Saidi (aka CHUNK85) Oarranged what would be the first of many "get togethers" (GTG) for R32 enthusiasts in Southern California. It drew 15 R32 owners out on a Sunday afternoon for a cruise up PCH and a spirited drive through the canyons. Afterwards, a mailing list was created to keep everyone up to date on the next GTG. With that, SoCal R32 was established.

The second GTG in Malibu drew 25 R32s, and the third took place at VF Engineering where a whopping 75 cars turned out. In December, SoCal R32 threw a charity event for Toys for Tots. Sixty R32s and more than 100 people donated

toys and money.

In actuality, SoCal R32 membership is spread through the western states and some members drive many hours to be with like-minded R32 owners.

There are no dues or monthly meetings, but rather a unique bond between folks that have shelled out some 30K for a VW Golf. In a way, it makes them the most hardcore of VW fans. Surprisingly,

a good many SoCal R32 members are new to the Volkswagen scene. They purchased the car after first driving its competition. There's a message about the R32's fundamental goodness in there somewhere.

SoCal R32 continues to grow as some 200 registered users log on and exchange tips and information. It's a labor of love-no one's getting paid to host or update the site. Remember that next time you go there.

SoCal R32 sponsors include: EuroMotive Tuning, Neuspeed, Tuning Technologies, North American Motorsports, GIAC, Exklusiv Motorsports, EuroCullen, 4Grounding, European Technologies, HPA Motorsports, EIP and Parts4VWs



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the deciding directional factor. During ultra-hard launches (say, a 6000-rpm clutch drop), the weight and power transfer to the rear wheels makes this a no-brainer for quarter mile fans. You will be faster with an upgraded Haldex. Good fun? You bet. But be advised, it's a modification we'd recommend only to drivers with above average skill.

We recently hooked up with the crew from SoCal R32, a group of more than 200 R32 owners. On the freshly paved tarmac of Irwindale Speedway, Eugene Lee gamely offered up his





pristine Deep Blue Pearl R32 for testing.

Just poking around, the car feels the same as a completely stock R32, which is to say damn good. On Irwindale's eighth-mile drag strip, the Haldex upgrade instantly made its presence known, yielding a brutally hard launch with nary a whiff of tire smoke. We hooked an equally prepped R32 to the new Vericom Performance Computer and recorded zero to 60 mph times of 6.0 seconds, nearly four-tenths faster than a previously tested stock car. So far so good.

On the road course, super-aggressive driving was rewarded with gorgeous tail-wagging drifts. It ain't the fastest way around a track but it's certainly more fun. Take more serious lines and the R32 becomes positively neutral—you decide where it goes with the throttle.

As stated before, the Haldex performance upgrade is best left to the experienced driver. Unless its capabilities are properly utilized, it's a waste of hardware. However, should you need more performance from your R32, the Haldex performance upgrade is an excellent place to start.

CONTACT

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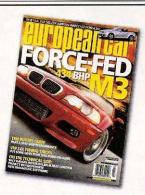
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