

# How HYDRO BOOST TECHNOLOGY is Affecting the Tow Brake Market

By: Tom Manning (AP Products / US Gear)

Many Dealerships are already satisfying their customers with the many benefits offered by the Unified Tow Brake. While most customers are thrilled with the no hassle hook up and peace of mind found by knowing their Tow Brake is always working whenever they plug in the Towed Vehicle's taillights, others are pleased with the performance experienced by the progressive and proportionate braking.

One of the "lesser known" benefits is the feature where the Unified Tow Brake makes use of the Towed Vehicles Power Assist Brakes. That is correct, most Towed Vehicles derive their power assist braking power from a vacuum booster under the hood. This booster creates power braking by amplifying the vacuum created by the tow vehicle's engine when it is running. However, since the Towed Vehicle is not running while it is being towed, there are no power brakes. The Unified Tow Brake comes equipped with a 12 volt vacuum pump which operates from the Towed Vehicle's battery and powers up the vacuum booster. Thus, the Towed Vehicles Brakes operate just as the Vehicle's Manufacturer intended for them to be operated.

Offering power brakes through the use of a vacuum booster has been the standard for years... however, that technology is changing and we need to change with it. Today, more and more vehicles are now being manufactured making use of Hydro Boost Technology for power brakes. The vehicle's power brakes are derived from a Hydraulic pump mounted in the vehicle. This Hydraulic pump is activated in many different ways but, the result in most cases is full power brakes regardless if the vehicle is running or not; thereby eliminating the ability to use most "portable" brake systems since they can not be used with brakes where a "live" brake pedal is active.

The people at Unified Tow Brake have been able to design a system that works directly with the vast majority of the Hydro boost systems on the market today. The Unified Tow Brake's Power Module is able to directly drive the Hydro Boost Pump in most cases. Consequently, the need to install the Unified Tow Brake's vacuum pump is eliminated in these cases.

Special "H" series kits are now being made available. These kits do

not contain a vacuum pump and are intended for use with Towed Vehicles that make use of Hydro Boost technology only. Such vehicles include all Hybrid vehicles that are gaining much popularity today for being much more fuel efficient vehicles.

For more information on Hydro Boost Technology and the proper application of Unified Tow Brake's new "H" Series Kits visit the web site at [www.usgear.cc](http://www.usgear.cc).

