

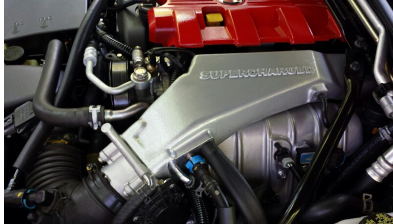
## Tech Shorts for August

A web page reader recently contacted us concerning an early year Miata she just inherited from her father. It had not been driven for several years. They changed the oil, put in fresh gas, and it started up nicely. Their problem was that it was hard to shift, and sometimes it seemed the clutch would not disengage. I had her check the hydraulic fluid level in the clutch master cylinder reservoir, and it was OK. Next I asked her to take the car to a garage and have the Slave Cylinder under the car checked. This is bolted to the Clutch Bell Housing, and is easy to check. They pried back the rubber boot and fluid dripped out indicating a leaking slave cylinder. The garage installed a new one and now she and her husband are Zooming along in it. As the miles accumulate on your Miata, be aware of this if it gets hard shifting.

PACE member **John Thomas** recently did what is becoming a popular upgrade in power for the NC Miatas. The 2.3 and 2.5 Liter motors from the Mazda 3 fit right into the engine bay of the NC Miatas. I have read that one can swap in the 2.3 liter motor and the Computer will operate it with no tuning needed. The 2.5 liter motor can be run with the current computer settings, but will benefit greatly with a "Tune" to the Computer. John, from the New Holland area, recently finished doing the 2.5 liter motor swap himself into his 2006 Miata. Then he took it to his Tuner and had the computer tuned to get the most output from this new motor. I was at his house and saw the progression, and had a chance to ride in it and even drive it. This larger motor made a real noticeable difference in the mid-range torque used for daily driving, and the extra power really made it quick for the On-Ramps entering a 4 lane highway. Congratulations John on a job nicely done! Contact John at: [john-kim@comcast.net](mailto:john-kim@comcast.net) if you have questions. In the pictures below, one is the empty engine bay ready for the new motor. The 2<sup>nd</sup> picture is of the new 2.5 motor on Left and the old 2.0 motor on Right. The 3<sup>rd</sup> picture is the 2.5 motor and transmission ready to install.



PACE member **Ed Thuresson** recently installed a Cosworth Supercharger in his 2007 PRHT Miata. Ed really did a nice job on this. He is the guy who installed the In-Dash Info Screen, and he did as NICE of a job on this Supercharger as he did on the Info Screen. Ed just had the Computer Tuned to suit the needs of the motor with the Supercharger on it. He said it really ZOOMS now the Tune is done. If you have questions or comments for Ed. Ed can be reached at: [signwizard@comcast.net](mailto:signwizard@comcast.net)



**Lancaster Mazda** now has a new and separate location for their new car dealership, parts and service departments. The new location is a couple blocks closer to Lancaster, still on the Manheim pike. The new address is 5120 Manheim Pike, Lancaster, PA, 17520. Phone is still 717-569-7373. Stop in and say HI to the Sales manager **Richard Regan**, and make sure you tell him you are a PACE Miata Club member! Discounted Mazda Parts are still available on the LTM Discount Parts web page.

\* Also, for ALL Miatas, don't forget to clean the top drains! Ask me why I emphasize this! \*

Zoom – Zoom, Bill Latsha