



Spec Miata Rear Bump Stop Shim Replacement

Penske Racing Shocks was asked to look into the deformation of the rear shim that is used as a bump stop platform. This has been noticed after the first two race weekends of this year (Homestead and Sebring).

After testing, there is a deformation that happens with the current shim. There are no issues or performance losses/gains in running with the deformed shim.

A.



B.



Fig A. Shows current shim/plate (.020" thick) deformation at .125" displacement. The deformation is not a concern because the shim is actually molding itself around the sharp edges of the nut. This does not add risk of bump stop degradation as it continues to protect the stop from the corners of the nut.

Fig B. Shows optional shim/plate (.030" thick) update. We displaced .300" in this test and shim did not deform. We ran a three-hour endurance run and showed no signs of shim or bump rubber deformation or degradation.

Acquiring the updated shim: Penske Racing Shocks is offering the updated shim. This update can be done at time of first service, picked up at the Mazda Motorsports trackside support program trailer, or by calling - Monday through Friday from 9 am to 5 pm ET - either Mazda Motorsports at 904.426.8757 or Penske Racing Shocks at 610.375.6180. The updated shims will be mailed to customers free of charge for USPS delivery.

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