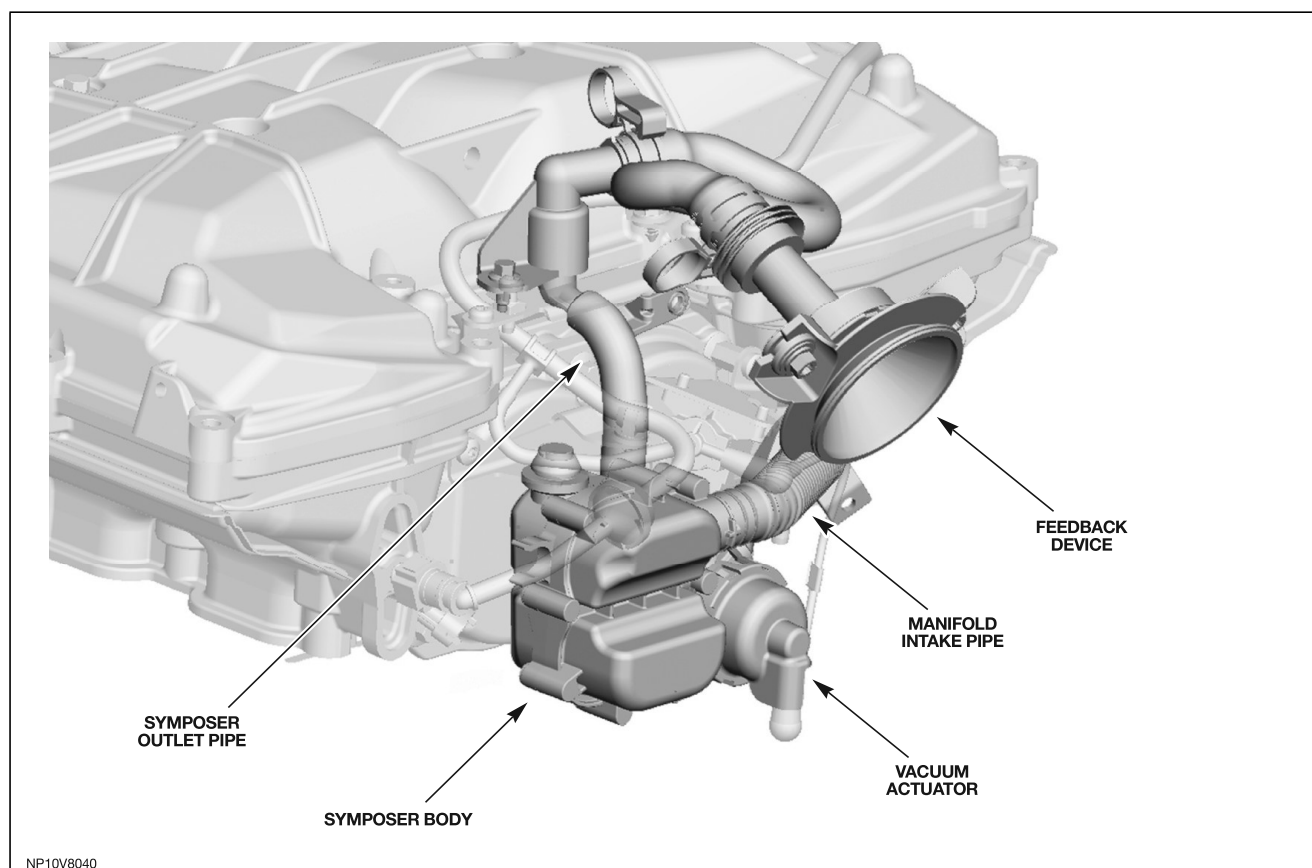


Symposer

Historically, automobile manufacturers have focused on reducing the level of engine acoustics within the cabin. With the introduction of the new 5.0-liter V8 engine, development engineers have deliberately accentuated the acoustic feedback into the cabin in an effort to further increase the driving experience.

An integral part of this development is the introduction of a symposer into the engine air intake system of the SC engine. The symposer is mounted on the rear of the engine and is connected directly to the RH intake manifold.



Engine order pulsations from the intake system are fed into the symposer, which picks out the pulsations that are within the target frequency range. These accentuated V8 engine acoustics are then directed into the cabin.

The symposer is a mechanical device that is operational when the engine is running. However, a vacuum operated valve, which is controlled by the ECM, only allows the acoustics into the cabin under certain conditions. This is to achieve the desired engine sound quality in the cabin.