Combining engine retarding with decompression, in response to an industry shift towards start / stop operation

*Poster Location: P-05*

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The continuous drive for improved fuel economy is causing many to consider start/stop capability

- Negative side-effects of this strategy
  - Accelerated starter & pinion wear.
  - Significant torque required from the starter motor
  - Significant energy required to make that torque

- A new solution is needed to solve these issues

- **Poster P-05** describes a braking/decompression system with simulation & test results, demonstrating:
  - Vehicle retarding
  - Reduced starter torque
  - Improved cold start
  - Reduced battery drain

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