

From: [Epperson Joe](#)
To: [Smith Maja](#)
Cc: [Budinski Michael](#)
Subject: Brawley, CA WPR17LA174
Date: Tuesday, November 7, 2017 8:46:41 AM

[Brawley, CA](#)
[8/1/2017](#)
[Thrush S-R2, N4913X](#)
[WPR17LA174](#)
[Maya Smith, ASI-WPR](#)

Supercharger multiplier drive gear

Ms. Smith:

The supercharger gear had three fracture teeth on the smaller of the two integral gears. The tooth fractures were examined using a stereo microscope at moderate magnifications. The fractures exhibited features and topographies consistent with bending overstress separations. Contact patterns and pitting were noted on the pressure faces of the remaining intact gear teeth indicative of heavy loading. No indication of preexisting cracking was apparent.

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