

Broken DD16 GATS 2.0 Exhaust Pressure Tubes

COMMUNICATION:

FIELD SOLUTION: Replace exhaust manifold pressure sensor tubes.

PUBLISH DATE: NA

TOPIC BACKGROUND:

PRIMARY EFFECT:

- The exhaust pressure sensor tubes break on some DD16s. Breaks occur near the fitting ends.
- Heavy haul applications are failing at the highest rate
- The engine may set fault code 8619/14 for "P3 sensor 1 stuck in range check low"

AFFECTED MODELS:

- 2022 and newer DD16 GATS 2.0 engines with full range misfire detection.

VISUALIZATION:



Example of broken pressure tube.

PROGRESS UPDATES:

- 12/12/2025 replaced parts stock in the PDCs with 100% visually inspected parts as an interim corrective action.
- Bend-before-braze trial tubes have accumulated over 75,000 miles with no failures.
- Estimated SOP 9/1/2026 for bend-before-braze tubes. Will Improve this date if possible.

TOPIC RESOLUTION

PRODUCTION CHANGEOVER WEEK/MONTH:

- Expected sometime in September 2026.

RESOLUTION:

- The final resolution is tubes built by bending before brazing the ends on. This prevents cracks in the tube that occur when they bend after brazing.