

Joshua Cawthra
Senior Aviation Accident Investigator
Aviation - Western Pacific Region

Date: May 19, 2022

Subject: WPR21LA068

Contact: George Braley, Tornado Alley Turbo Inc.

During a telephone conversation, Mr. Braley reported that after review of the recorded data, the higher manifold pressure could be from a loose sensing line in the controller system.

Mr. Braley further reported that the pressure outside of the induction tubes is about 5 inches lower than inside the induction tubes, and that it equates to about 20 to 30 lbs of force trying to pull the rubber coupling apart from the tubes. He stated that if the clamps are not secure, it could be enough to produce a leak at the coupling.

Mr. Braley added that the data showed the exhaust gas temperatures (EGT) for the number 4 cylinder were higher than the rest, and erratic, which is consistent with one spark plug not firing on occasion.