

PREVOST H3-40 AIR DISC BRAKE FAILURE AND REPAIR — PART 1 OF 3

BY BRUCE FAY



Mobile chassis mechanic, Joe Cannarozzi, stopped by Florida Grande Motor Coach Resort on his way north from Ft. Lauderdale, FL. The tire/wheel combination is very heavy.

Editor's Note: *In part 1 of this 3-part article, Bruce describes the problems that developed with an Air Disc Brake (ADB) on an early 1990's Prevost H3-40VIP. In Part 2 he will describe how they found a service facility to help get the coach back on the road. In Part 3 he describes what they ultimately did to prevent future problems.*

The Prevost H3-40VIP Pneumatic Brake System

Like most buses and class 8 trucks, the Prevost H3-40VIP has air-actuated brakes. The drive axle, with

its four wheels/tires, uses massive drum brakes with brake shoes and linings actuated by S-cams. The steer axle and tag axle brakes, however, use Meritor model ADB-1560 Air Disc Brakes. The bus also has an anti-skid (anti-lock) brake system, which has additional valves and a computer. The brake system is designed to stop 42,690 pounds of bus, plus up to



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