

# DTNA Trucks Experiencing Excessive Purging from Air Dryer

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Field Service Product One Page Update

10/1/2025

## **Problem Details:**

- DTNA trucks equipped with BA-3600 air compressors and certain Wabco air dryers have experienced excessive discharge or “purging” from the air dryer.

## **Responsible Supplier:**

- Wabco ZF Group

## **SYMPTOM**

A small number of vehicles equipped with BA-3600 air compressors and certain Wabco air dryers experience excessive discharge or “purging” from the air dryer. This is the result of the increased unloaded discharge line pressure on the BA-3600 air compressor combined with relatively low release pressure in the air dryer turbo cut-off valve.

This issue affects Detroit Heavy Duty Engines built with the BA-3600 Air Compressor. DD13 equipped vehicles built after approximately 1/13/2021 were built with the BA-3600 Air Compressor. DD15 equipped vehicles built after approximately 6/20/2021 were built with the BA-3600 Air Compressor. Fluctuating pressure in the compressor discharge line is normal, even in the unloaded state, as a small amount of air escapes into the line. Higher cylinder pressures in the BA-3600 compressor result in higher peak pressures in the discharge line.

Wabco air dryer part numbers WAB 432 480 144 0 and WAB 432 480 145 0 utilized a turbo cutoff valve to discharge excess pressure in the air system. The opening pressure of the turbo cut-off valve on these dryers is slightly lower than other configurations. This was due to underestimating the spring pressure required for the TCOV when upgrades were made to the BA-3600 compressor. At the same time Bulletin 23TS-02 was requested back in March of 2023.

## **Long Term Field Plan:**

At the time Service bulletin 23TS-02 was requested back in March of 2023 The updated valve was an intermediate solution that was directionally correct but did not fully resolve the issue. There is now a **NEW updated valve (432 480 921 2)** that should be the permanent fix. That changed over in production 8/15/25 and be available in aftermarket on 9/12/25. There are no plans to publish a new updated service bulletin. Technicians are to follow the standard TCOV replacement procedure in the workshop manual.