

Technical Bulletin



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Cancels: N/A

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Subject: **BENDIX® D-2® AND D-2A™ GOVERNOR OPERATING PRESSURES**

Our sales data indicates that Bendix governors (such as part number 275491N) with a nominal cut-in pressure of 100 PSI remain very popular service replacement components. It is important to note, however, that they may not be the correct service replacement for the governor being replaced. Bendix does not recommend using governors with settings other than that which is specified by the OEM for cut-in and cut-out pressure to ensure proper system operation.

Effective 10-8-1992, US regulations (Federal Motor Vehicle Safety Standard (FMVSS) 121) for new vehicles requires that all trailer spring brake control valves protect the trailer supply line to 70 PSI minimum (closing) in the event of a trailer service reservoir failure. Due to the higher opening pressures of these trailer valves, an air compressor cut-in pressure of 100 PSI, or greater, was mandated by regulation to ensure that the trailer would always charge if the system pressure on the towing vehicle was within the normal compressor governor operating range.

The specific language from FMVSS 121 for this requirement – which had an effectivity date of 3-1-1997 – is as follows:

S5.1.1.1 Air compressor cut-in pressure. The air compressor governor cut-in pressure for each bus shall be 85 PSI or greater. The air compressor governor cut-in pressure for each truck shall be 100 PSI or greater.

In response to this rule change, Bendix recommends compressor air governors such as the D-2® and D-2A™ with a nominal cut-in pressure of 110 PSI for nearly all applications (especially towing vehicles).

| Bendix® Governor Type | Part Number | Cut-in – Cut-out Pressure Range | Application |
|------------------------------|--------------------|--|----------------------|
| D-2® | 277486N | 110-130 psi | Standard Temperature |
| D-2® | 109662N | 110-130 psi | High Temperature |
| D-2A™ | K025308 | 110-130 psi | Standard Temperature |

The following is a listing of our most popular service replacement governors:

For additional information please contact the Bendix TechTeam by calling 1-800-AIR-BRAKE (1-800-247-2725) or visit www.bendix.com.