**EGP Height Control Valve with Dual Ride Height**

The Haldex EGP Height Control Valve with Dual Ride Height provides load depended height control to the vehicle. This valve provides the ability of raising or lowering the vehicle to a controlled second height position with one motion from the operator.

By the use of a single solenoid valve, one or more Height Control Valves can be operated to adjust the air pressure in the air spring bellows to a set second position. This is an advantage to transit buses, to kneel for boarding and deboarding of passengers, providing more comfort. This valve can also be used to raise or lower the whole vehicle when crossing uneven surfaces, such as speed bumps in parking lots, or when loading and unloading the vehicle on ferry or transit units.

- **Bus in Standard Ride Height**
- **Bus in Raised 2nd Height Position**
- **Bus in Lowered 2nd Height Position**
- **Bus in Front Kneeling Position**

**Features & Benefits**

- Provides a second ride height that is pre-set and is not variable to the weight of the vehicle
- Minimum number of components to provide the second alternative height
- Air pressure is never completely exhausted from the air bellows, saving wear on the suspension components
- On buses, this operation can be tied to the door opening operation, so no additional motion is required by the operator

*continued on reverse...*
Haldex Dual Ride Height Control Valve
Kit # 42150003

When air pressure is applied to port “4” of the valve, an internal spool shifts and the valve goes to a set second ride position. The lever will appear at 35° in the 2nd ride position in neutral. Adjustment of the second ride height is according to the table below.

<table>
<thead>
<tr>
<th>“A” Lever Arm Distance (in.)</th>
<th>3.0</th>
<th>4.0</th>
<th>5.0</th>
<th>6.0</th>
<th>7.0</th>
<th>8.0</th>
<th>9.0</th>
<th>10.0</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height Adjustment at 2nd Ride Position (in.)</td>
<td>2.1</td>
<td>2.8</td>
<td>3.5</td>
<td>4.2</td>
<td>4.9</td>
<td>5.6</td>
<td>6.3</td>
<td>7.0</td>
</tr>
</tbody>
</table>

Warning: The products described within this literature, including without limitation, product features, specifications, designs, availability and pricing are subject to change by Haldex and its subsidiaries at any time without notice.

This document and other information from Haldex, its subsidiaries and authorized distributors provides product and/or system options for further investigation by users having technical expertise. It is important that you analyze all aspects of your application and review the information concerning the product or system, in the current literature or catalog. Due to the variety of operation conditions and applications for these products or systems, the user, through their own analysis and testing, is solely responsible for making the final selection of the products for the vehicle system, and assuring that all performance, safety and warning requirements are met.