



ENGINEERING BULLETIN

Revised December 1, 2012 (removed "SimilAir" from part number, revised nuts and torque rqmts.)

Revised March 9, 2012 (changed part number to "SimilAir" 10776)

Original release—June 26, 2006

Use of Liteflex 10776 Composite Spring in Hutch Suspensions

Hutchens Industries has elected to allow the installation of the Liteflex 10776 spring into limited configurations of the H/CH9700 and 9600 suspension.

The spring may be installed in the majority of overslung (spring over the axle) suspension configurations available from Hutchens, however, there are some limitations.

- The spring cannot be used with underslung axles that have the spring mounted below the axle.
- The spring will not fit into suspensions requiring the use of inverted u-bolts or limited spring freeplay (LSF) bushings.
- The spring cannot be installed into fabricated hangers using supplemental wear pad liners.

Installation requires the omission of the conventional spring top-plate and the selection of the proper u-bolt length to accommodate the aluminum over-clamp of this specific spring. As opposed to the current 16316-01 composite spring, the use of heavy-duty seats is not required. The 10776 installs on the axle using either 3/4" or 7/8" u-bolts with locknuts and installation torques as shown on decal 16354-01.

The 10776 spring will produce a nominal 15" no-load mounting height when installed with 3/4" seats in a fabricated under-mount suspension with a 49" wheelbase. This mounting height is different than any conventional mounting heights that are obtained with existing springs, therefore an adjustment to the axle seat may be required to create the desired suspension ride height.

Should you have an application for one of our suspensions and intend to use the Liteflex 10776 spring, we suggest that you contact Hutchens Industries at 1-800-654-8824. We can supply further information regarding the suspension configurations that will accommodate the 10776 composite spring, and can assist in the selection of the proper seat and u-bolts.

There may be certain applications where the use of this spring is not recommended. These may include "off road", "city delivery" or other "severe duty" operations. Failure to properly apply and install the 10776 composite spring can affect the integrity of both the spring and suspension. Contact Liteflex for application approval, availability, and additional information regarding the spring. Liteflex LLC will be responsible for all service and warranty on the composite spring, and should be consulted before using the 10776 in your application.

At the present, the Liteflex 10776 spring will not be available from Hutchens Industries. It must be purchased from Liteflex.