

# Service Bulletin

A Field Service Publication of Consolidated Metco, Inc.

#10009974 Rev. March 30, 2004

## Stamped ABS Ring Removal and Installation

### PRODUCTS AFFECTED:

All ConMet® aluminum and iron hub assemblies with stamped steel ABS tone ring. (Stamped ABS ring with holes all the way through)

### SCOPE:

This bulletin covers the removal and installation of stamped steel ABS tone rings.

### ABS TONE RING REMOVAL (Safety Glasses should be worn)

If a stamped steel ABS ring becomes bent or damaged, it can be removed and replaced easily in the field. Typical damage includes scratches and dents.

The steer axle tone ring can be removed by gripping the ring with a pair of locking pliers and tapping the pliers upward with a rubber mallet. Work your way around the ring to keep the ring from cocking. (Figure 1)

Drive axle and trailer tone rings can be removed by gripping the ring with a pair of locking pliers and prying against the head of a wheel stud to lift the ring off the hub. Work your way around the ring to prevent cocking. (Figure 2)



Figure 1



Figure 2

### ABS TONE RING INSTALLATION

Consolidated Metco has a universal ABS tone ring installation tool (part number 107119) available for front, drive and trailer hubs. This tool is designed for stamped steel ABS tone rings only. This tool is designed to be assembled using a standard seal installation tool handle.

Prior to assembly, remove all corrosion and contamination from the hub surface where the tone ring seats. If the tone ring seat is damaged, replace the hub.

Place the ABS ring onto the hub. For steer axle hubs, make sure the inside diameter flange is up (Figure 3). Center the corresponding diameter of the tool onto the ABS ring. Drive the ring onto the hub with a hammer or mallet (Figure 4). Visually inspect the ring to insure that it is completely seated onto the hub.

### ABS Ring Part No.

103706 (.090 thick)  
10009780 (.120 thick)  
107912  
10003668  
103705  
105459

### Hub Application

FF Front-Turbo  
FF front-Next Generation  
FL Front  
Volvo 58mm unitized front  
R series drive  
TN & TP Trailer



Figure 3



Figure 4

The information in this Service Bulletin is intended as a reference source only. Consolidated Metco does not assume any liability in the event of improper use or mis-match of components. For additional information, visit our web site at [www.conmet.com](http://www.conmet.com) or call (800) 547-9473.

Consolidated Metco, Inc. • PO Box 83201 • Portland, OR 97283 • 800-547-9473 • [www.conmet.com](http://www.conmet.com)