

Service Bulletin

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).



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 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 ensure that it is completely seated onto the hub.



Figure 3



Figure 4

ABS Ring Part No.	Hub Application
103706 (0.090" thick)	FF Front - Turbo (prior to 2005)
10009780 (.120" thick)	FF Front - Turbo (2006 - present)
107912	FL Front
10003668	Volvo 58mm Unitized Front
103705	R - Series Drive
105459	TN & TP Trailer
10019962	FC F08 Front-Disc
10014732	Volvo 68mm Unitized Front
10023558	FF F12 Front-Disc
10023559	190 Drive-Disc

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