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Service Tips and Best Practices

Correct Installation Orientation for Honda & Acura Wheel Bearings with ABS Encoder Ring

Brand	BXT	Product	Wheel Bearing	Date	March 2021
Part Number(s)	H510074/H511029/H510073/H510088/H510089/H510086/H510091/H510092				

Certain Honda and Acura Generation 1 bearing types feature an integrated Magnetic Encoder Ring or ABS Tone Ring (see Table 1 below for part number and associated application). This is characterized by one of the two external seals functioning as the Ring.

Part Number	Application
H510074	2002-2006 Honda CR-V; 2003-2011 Honda Element
H511029	2002-2006 Honda CR-V 2006-2011 Honda Civic; 2003-2007 Honda Accord; 2004-2008 Acura TL;
H510073	2004-2004 Acura TSX; 2006-2011 Acura CSX
H510088	2006-2014 Honda Ridgeline
H510089	2006-2015 Honda Civic; 2013-2014 Acura ILX
H510086	2005-2010 Honda Odyssey
H510091	2007-2008 Honda Fit; 2010-2014 Honda Fit 2007-2016 Honda CR-V; 2007-2018 Acura RDX; 2014-2017 Acura MDX;
H510092	2014-2017 Acura RLX

Table 1

It is important that these bearing types are installed in the proper orientation. The seal with the integrated Ring must be installed closest to the ABS sensor. Failure to do so will lead to the improper operation of a vehicle's ABS system. Additionally, removing a bearing with an incorrectly installed (backward/wrong way around) Ring may lead to damage to the Ring or bearing assembly.

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To ensure a successful repair and function of the ABS system, it is important to adhere to the below:

1.Determine side with integrated Ring. This can be achieved via:

(i) Close visual inspection. A window pattern may be visible on the side with the integrated Ring.

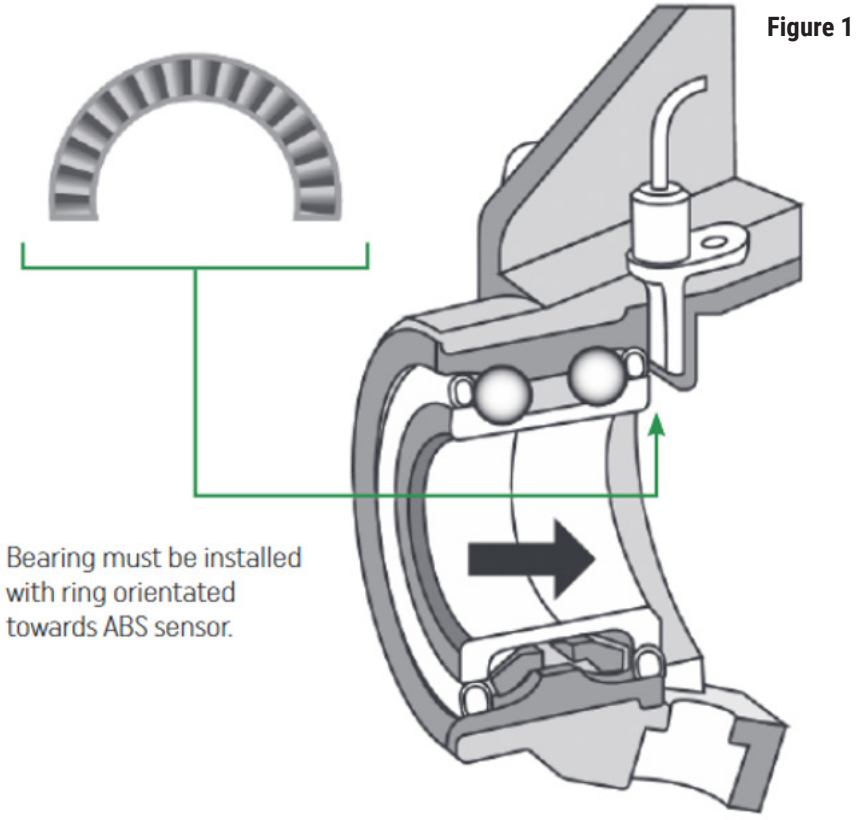
(ii) Using a small metallic item. The metallic item will be attracted to the side with integrated Ring. Do not use any item with a strong magnetic field.

(iii) Using a Magnetic Encoder Ring Test Card.

2.Exercise caution and care during handling and installation to prevent damage to the seal with the integrated Ring.

3.Ensure side with integrated Ring is installed closest to ABS sensor (**see Figure 1**).

Figure 1



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