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Service Tips and Best Practices

Axle Bolt Type Identification – 2018-2006 Volkswagen and Audi Vehicles

Brand	Supreme	Product	Wheel Hub Assembly	Date	June 2021
Part Number(s)	H513253				

When performing any steering or suspension repair which requires removing the axle bolt for the below listed applications, it is critical to verify the axle bolt type.

Application		
Audi	A3	2013-2009
Audi	A3 Quattro	2013-2006
Audi	A3 Quattro	2013-2011
Audi	Q3	2018-2015
Audi	Q3 Quattro	2018-2015
Audi	TT	2009-2008
Audi	TT Quattro	2015-2008
Audi	TT Quattro	2015-2008
Volkswagen	Beetle	2019-2012
Volkswagen	CC	2017-2009
Volkswagen	CC	2017-2009
Volkswagen	EOS	2016-2007
Volkswagen	Golf	2014-2010
Volkswagen	Golf City	2010
Volkswagen	GTI	2014-2010
Volkswagen	Jetta	2018-2005
Volkswagen	Jetta City	2009-2007
Volkswagen	Passat	2010-2006
Volkswagen	Passat	2010-2006
Volkswagen	Passat	2020-2012
Volkswagen	R32	2008
Volkswagen	Rabbit	2009-2006
Volkswagen	Rabbit	2009-2006
Volkswagen	Tiguan	2017-2009
Volkswagen	Tiguan	2017-2009
Volkswagen	Tiguan Limited	2018-2017

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TECHNICAL SERVICE BULLETIN

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Due to production variances at the factory, the listed applications may be equipped with three possible axle bolt types. They include:

- Hex
- 12-point with ribbing
- 12-point without ribbing

Refer to **Figure 1** to visually distinguish between the 12 point with rib and the 12 point without rib bolt type.

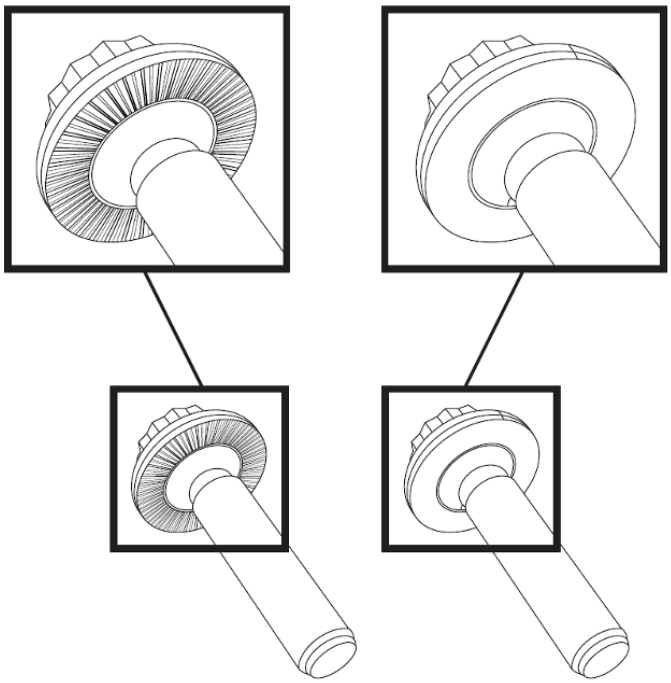


Figure 1. 12-point bolt with ribbing underneath bolt head (left) and 12-point bolt without ribbing (right)

It is important to note that depending on axle bolt type, the required torque value and specification differs.

- Hex bolt: (148LB-FT/200 N-M) + 180°
- 12-point without ribbing: (148LB-FT/200 N-M) + 180°
- 12-point with ribbing: (52LB-FT/70 N-M) + 90°

Always ensure to renew hardware. Do not reuse axle bolt. Refer to the factory service manual for correct removal and installation procedures, torque values and sequences. Only use a calibrated torque wrench for all fastening procedures.

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