

Tech Bulletin

Nr 03
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GARAGE EQUIPEMENT



CASE STUDY : INCORRECT USE OF AN IMPACT WRENCH

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CAUSES



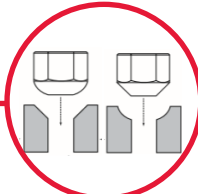
Non-respect of the
tightening torque



Tool's wear (internal hex
wear of the socket)



Poorly cleaned rim



Unsuitable nuts



Network overpressure
(over 6 bar)



Nut and stud
loss



Stud premature
wear



Stud breakage



COMPLY WITH THE MANUFACTURERS
RECOMMENDED TIGHTENING TORQUES

Type of wheel nuts and wheel centering	Ø Stud mm	Tightening torque based on wheel type			
		Metallic		Aluminum	
		Nm	m.kg	Nm	m.kg
	14	150 ± 10	15 ± 1	250 ± 20	25 ± 2
	16	200 ± 10	20 ± 1	300 ± 20	30 ± 2
	18	300 ± 20	30 ± 2	400 ± 20	40 ± 2
	20	400 ± 20	40 ± 2	500 ± 30	50 ± 3
	22	500 ± 30	50 ± 3	600 ± 30	60 ± 3

Source : Le Manufacturier



Impact socket with torque control

Torque wrench to screw at the
suitable torque



Pneumatic screwdriver for
tightening torque

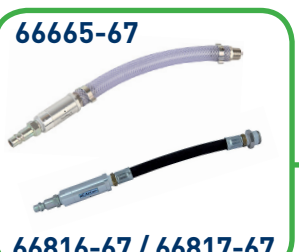


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4-5 drops of special
lubricant into the air inlet



Use the sockets with a square
drive identical to the one of the tool



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66816-67 / 66817-67

Use pressure relief kit
limiting presure to 6 bar



Use a stud cleaning tool



Use loose wheel nut
indicators