

OPERATING AND MAINTENANCE MANUAL



WHEEL NUT SOCKETS WITHOUT MAGNETS



Thanks for choosing a PAOLI product.

*Behind your socket you have
the capacity and the diligence of a company team
which is working all the days to be able to offer you
always powerful, reliable and long lasting products.*

*From the Pit Lanes to any businesses,
your success is our goal!*

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*Dietro la vostra bussola ci sono
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Safe operation of this socket is possible only when the operating instructions are read completely and the instructions contained therein are strictly observed.

The addresses of these instructions are professionals trained.

THESE INSTRUCTIONS MUST ALWAYS BE WITH THE SOCKET.

KEEP THEM IN A SAFE PLACE.

4

ATTACHMENTS

Exploded view and spare parts

7

TECHNICAL DATA

DESCRIPTION

The wheel nut sockets are designed to be connected direct to motorsport wheel guns, and their function is to be a link between the

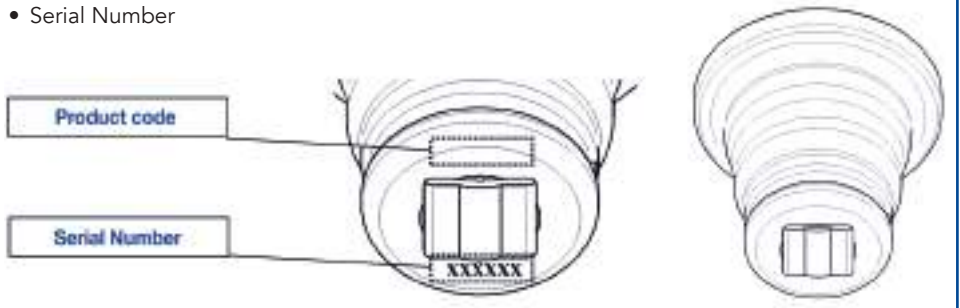
wheel gun and the threaded fastener. These sockets don't use magnets to retaining the wheel nut.

PRODUCT CODE	SQUARE DRIVE	MATERIAL	BEST PRACTICE
B.28.0052	1"	Aluminium	Porsche 991 Cup
B.28.0049		Titanium	
B.28.0015	1"	Steel	Ferrari 430 Challenge
B.28.0037		Aluminium	
B.28.0077	3/4"		
B.28.0058	1"	Titanium	F488
B.28.0051		Aluminium	
B.28.0059	1"	Steel	Mercedes SL3
B.28.0062	1"	Steel	Super Formula
B.28.0061	1"	Titanium	Formula 2
B.28.0034	1"	Steel	GP3 WSR F3
B.28.0035	3/4"		
B.28.0067	1"	Steel	Super TC2000

WHEEL NUT SOCKETS IDENTIFICATION DATA

The wheel nut socket has these marks:

- Product Code
- Serial Number



STEPS TO ASSEMBLY

STEP 1

Place the wheel nut socket in the square drive of the wheel gun (view figure Fig.1). Always check that the hole of the socket is corresponding with the hole in the square drive of the wheel gun.



STEP 2

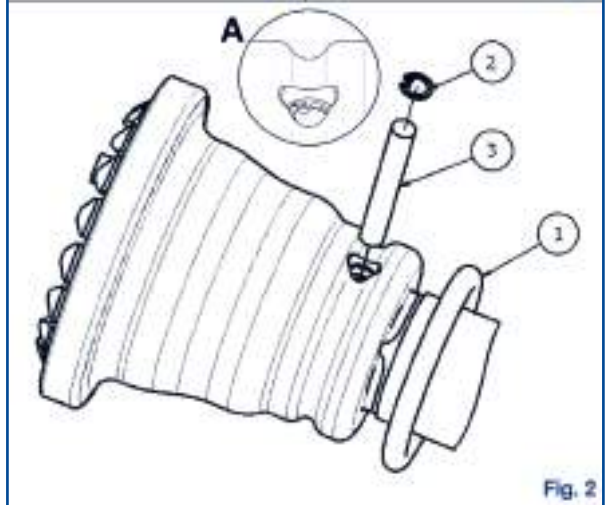
Insert the locking pin (view point 3, figure Fig. 2) in transverse hole of the wheel nut socket. Pay attention to the insertion position.

STEP 3

By using a pliers, place the retaining ring (view point 2, figure Fig. 2) for bore in the seat formed in the hole where the locking pin (view point 3, figure Fig. 2) was positioned, to prevent it from escaping (view detail A, figure Fig. 2)

STEP 4

Place the retaining O-ring (view point 1, figure Fig. 2) in the housing on the collar of the wheel nut socket (view figure Fig.3).



The above mentioned operations must be done by specialised staff.

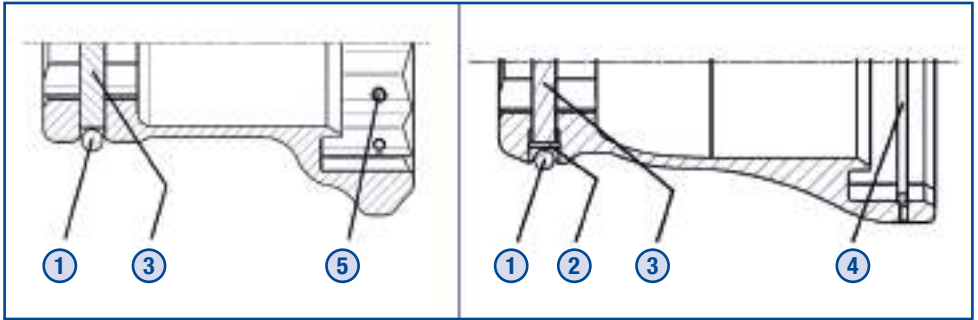
Original operating instructions - The original language of these instructions is English.



SAFETY INSTRUCTIONS

- ▷ Before using, ensure the markings on socket correspond with application.
 - ▷ Always wear safety glasses, while using sockets.
 - ▷ Don't touch the sockets whilst in use. Always use approved protections suitable for their intended use.
 - ▷ Before every race it is strongly recommended to check:
 - the wear and cleaning of socket. If it is having cracks, dents, and deformations, the socket must be replaced.
 - the wear of the front ring. Replace it with an appropriate one if it shows signs of wear. (ove presenti)
 - the wear of the spring plungers. Replace them with an appropriate one if they show signs of wear.
 - ▷ Always use socket of the same size as the wheel nut. Don't use larger sizes or force a socket on a nut.
- ▷ Never use the socket without the retaining system (locking pin, retainer ring and retaining O-ring). The socket without the retainer can be dangerous if it gets out during the work.
 - ▷ Always use the socket with the retainers provided with the square drive of the air impact wrench. Always check that pin and retainer ring are perfectly in their seats and that the dimensions are correct.
 - ▷ Replace the retainer ring every time when disassembling.
 - ▷ Do not alter any element of the socket. Any alterations to the socket must be approved by the manufacturing company's responsible engineers due to reasons regarding liability and operating safety.
 - ▷ Use only genuine spare parts and authorized service organizations.
 - ▷ Ship the wheel nut socket back to the PAOLI facilities at least once per year for complete overhauling.

EXPLODED VIEW AND SPARE PARTS



FOR SOCKETS	① RETAINING O-RING	② CIRCLIP	③ RETAINERS	④ FRONT RING	⑤ SPRING PLUNGERS
B.28.0052	B.30.02.0004	D.09.08.0043	B.30.01.0014	M.12.04.0001 (204 mm)	—
B.28.0037	B.30.02.0005	—	B.30.01.0009	—	B.30.05.0004
B.28.0077	B.30.02.0005	D.09.08.0043	B.30.03.0052	—	B.30.05.0004
B.28.0051 B.28.0058	B.30.02.0004	D.09.08.0043	B.30.01.0014	—	—
B.28.0059	B.30.02.0004	D.09.08.0043	B.30.01.0014	—	—
B.28.0062	B.30.02.0008	D.09.08.0043	B.30.01.0014	B.30.05.0006	—
B.28.0061	B.30.02.0004	D.09.08.0043	B.30.01.0014	B.30.05.0006	—
B.28.0034	B.30.02.0008	—	B.30.01.0014	—	B.30.05.0005
B.28.0035	B.30.02.0003	—	B.30.01.0001	—	B.30.05.0003
B.28.0067	B.30.02.0004	D.09.08.0043	B.30.01.0014	—	—



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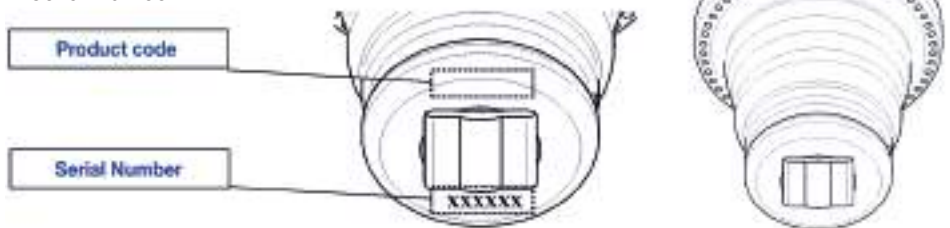
the wheel gun and the threaded fastener. These sockets use magnets to retaining the wheel nut.

PRODUCT CODE	SQUARE DRIVE	MATERIAL	BEST PRACTICE
B.28.0031	1"	Titanium	Porsche 911 RSR - 997 RSR
B.28.0040		Aluminium	
B.28.0046		Aluminium	
B.28.0063	1" long	Titanium	Porsche 991 RSR
B.28.0028	3/4"	Steel	Porsche 996/997 CUP
B.28.0016			
B.28.0033	1"	Titanium	Indycar
B.28.0041		Aluminium	
B.28.0038	1"	Aluminium	F430
B.28.0029		Titanium	
B.28.0039	1"	Aluminium	F458 GT2
B.28.0030		Titanium	
B.28.0032	1"	Titanium	F458 GT3
B.28.0042		Aluminium	
B.28.0064	1"	Aluminium	Huracan Super Trofeo
B.28.0050	1"	Steel	Huracan GT3
B.28.0053	1"	Steel	LMP3
B.28.0044	1"	Titanium	Le Mans Prototype 2
B.28.0045		Steel	
B.28.0068	1"	Steel	LMP2

WHEEL NUT SOCKETS IDENTIFICATION DATA

The wheel nut socket has these marks:

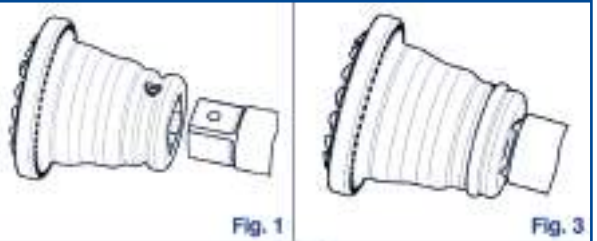
- Product Code
- Serial Number



STEPS TO ASSEMBLY

STEP 1

Place the wheel nut socket in the square drive of the wheel gun (view figure Fig.1). Always check that the hole of the socket is corresponding with the hole in the square drive of the wheel gun.



STEP 2

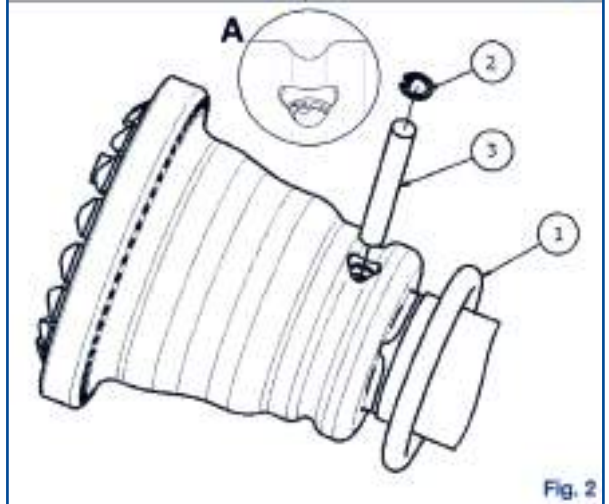
Insert the locking pin (view point 3, figure Fig. 2) in transverse hole of the wheel nut socket. Pay attention to the insertion position.

STEP 3

By using a pliers, place the retaining ring (view point 2, figure Fig. 2) for bore in the seat formed in the hole where the locking pin (view point 3, figure Fig. 2) was positioned, to prevent it from escaping (view detail A, figure Fig. 2)

STEP 4

Place the retaining O-ring (view point 1, figure Fig. 2) in the housing on the collar of the wheel nut socket (view figure Fig.3).



The above mentioned operations must be done by specialised staff.

Original operating instructions - The original language of these instructions is English.



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- ▷ Use only genuine spare parts and authorized service organizations.
- ▷ Ship the wheel nut socket back to the PAOLI facilities at least once per year for complete overhauling.

MAGNETS: TIPS FOR SAFE HANDLING



CONTUSIONS

The magnets have a very strong attractive force. Unsafe handling could cause jamming of fingers or skin in between magnets and wheel nut. This may lead to contusions and bruises.



PACEMAKER

Magnets could affect the functioning of pacemakers and implanted heart defibrillators. A pacemaker could switch into test mode and cause illness. A heart defibrillator may stop working. If you wear these devices keep sufficient distance to magnets. Warn others who wear these devices from getting too close to magnets.



MAGNETIC FIELD

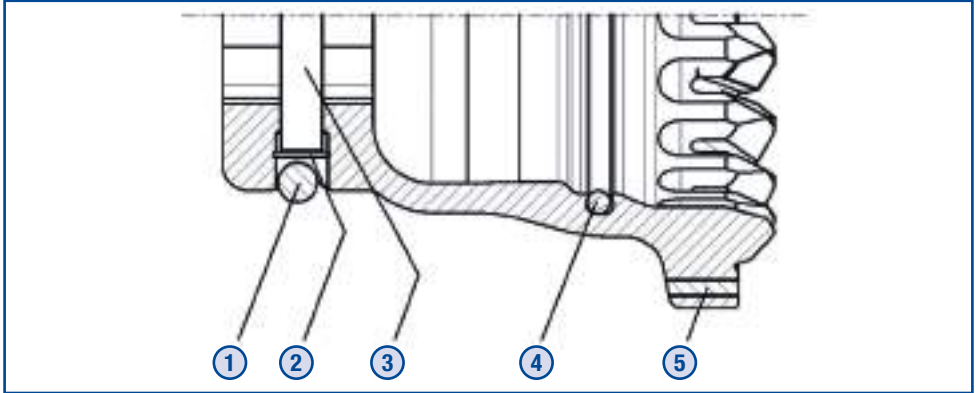
Magnets produce a far-reaching, strong magnetic field. Keep magnets away from devices and objects that could be damaged by strong magnetic fields.



INFLUENCE OF PEOPLE

According to the current level of knowledge, magnetic fields of permanent magnets do not have a measurable positive or negative influence on people. It is unlikely that permanent magnets constitute a health risk, but it cannot be ruled out entirely. For your own safety, avoid constant contact with magnets.

EXPLODED VIEW AND SPARE PARTS



FOR SOCKETS	① RETAINING O-RING	② CIRCLIP	③ RETAINERS	④ FRONT RING	⑤ MAGNET
B.28.0031 B.28.0040 B.28.0046	B.30.02.0004	D.09.08.0043	B.30.01.0014	D.09.02.0080	B.30.04.0002
B.28.0063	B.30.02.0004	D.09.08.0043	B.30.01.0014	—	B.30.04.0002
B.28.0028 B.28.0016	B.30.02.0008	—	B.30.01.0001	—	B.30.04.0002
B.28.0033 B.28.0041	B.30.02.0004	D.09.08.0043	B.30.01.0014	D.09.02.0090	B.30.04.0002
B.28.0038 B.28.0029	B.30.02.0004	D.09.08.0043	B.30.01.0014	—	B.30.04.0002
B.28.0030 B.28.0039	B.30.02.0004	D.09.08.0043	B.30.01.0014	—	B.30.04.0002
B.28.0032 B.28.0042	B.30.02.0004	D.09.08.0043	B.30.01.0014	D.09.02.0085	B.30.04.0002
B.28.0064	B.30.02.0004	D.09.08.0043	B.30.01.0014	—	B.30.04.0002
B.28.0050	B.30.02.0004	D.09.08.0043	B.30.01.0014	—	B.30.04.0002
B.28.0053	B.30.02.0004	D.09.08.0043	B.30.01.0014	—	B.30.04.0003
B.28.0044 B.28.0045	B.30.02.0004	D.09.08.0032	B.30.01.0014	—	B.30.04.0004
B.28.0068	B.30.02.0004	D.09.08.0043	B.30.01.0014	D.09.02.0090	B.30.04.0004



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