

Электромеханические пружинные тормоза серии АС

Инструкция по сборке

По вопросам продаж и поддержки обращайтесь:

Алматы (727)345-47-04
Ангарск (3955)60-70-56
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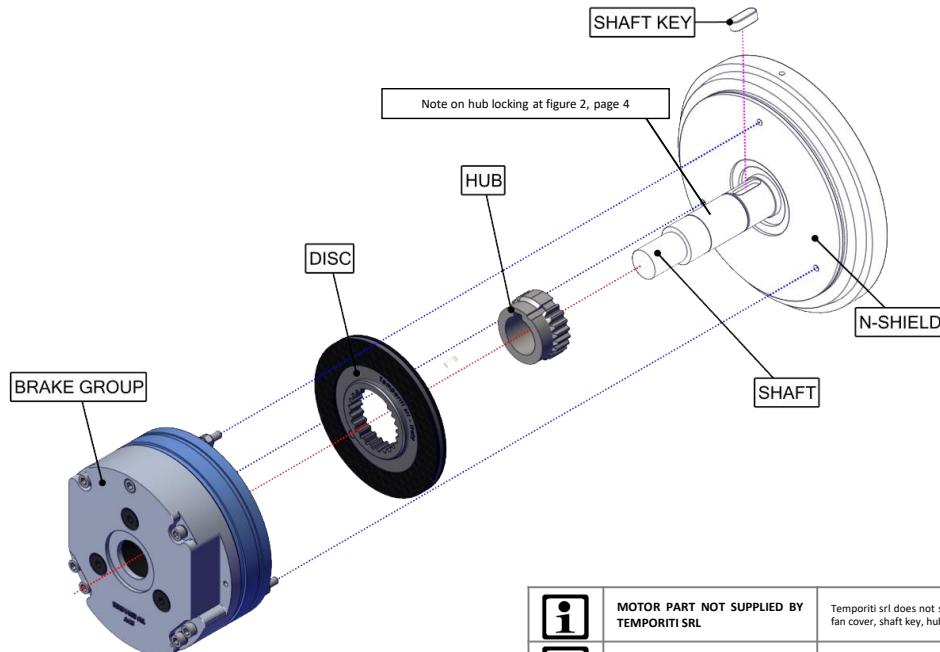
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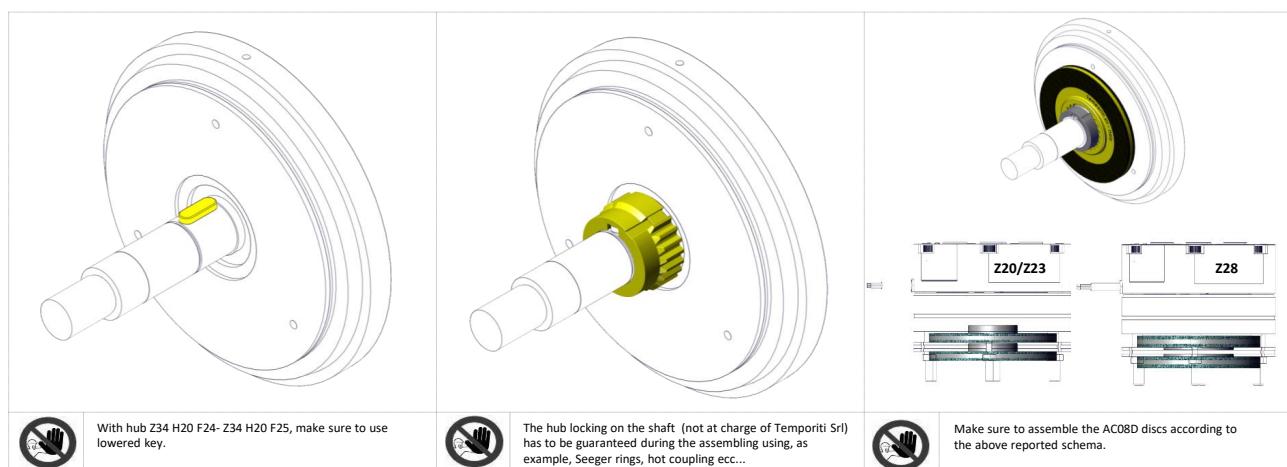
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5- Installation and Regulation

	KEEP METICULOUSLY THE INSTRUCTION ON THIS MANUAL	Adjusting operations carried out without following the operations of this manual, lead to a bad brake working.
	DISCONNECT THE BRAKE FROM POWER SUPPLY	Carry out the inspection, servicing and adjusting operations only after the brake electrically disconnection.
	SURFACES CLEANING	Good plane and braking surfaces cleaning, by using de-greasers that do not leave oily wastes, is necessary for good brake performance



	MOTOR PART NOT SUPPLIED BY TEMPORITI SRL	Temporiti srl does not supply motor parts as n-shield, shaft, fan cover, shaft seeger and sealing ring
	INDICATIVE ILLUSTRATION	All illustrations are for illustration only and may not accurately depict the actual brakes



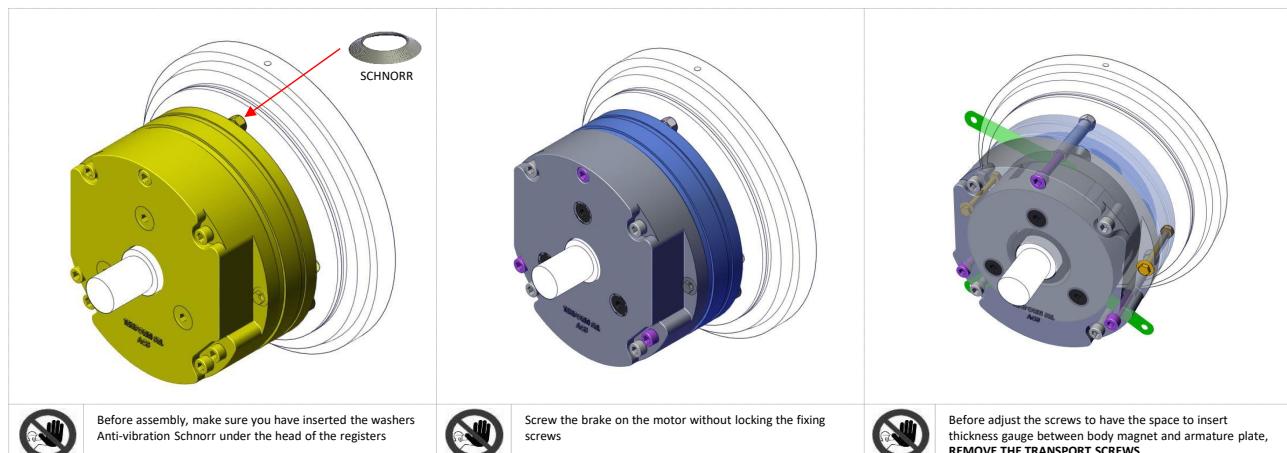
With hub Z34 H20 F24- Z34 H20 F25, make sure to use lowered key.



The hub locking on the shaft (not at charge of Temporiti Srl) has to be guaranteed during the assembling using, as example, Seeger rings, hot coupling ecc....



Make sure to assemble the AC08D discs according to the above reported schema.



Before assembly, make sure you have inserted the washers Anti-vibration Schnorr under the head of the registers



Screw the brake on the motor without locking the fixing screws



Before adjust the screws to have the space to insert thickness gauge between body magnet and armature plate, REMOVE THE TRANSPORT SCREWS

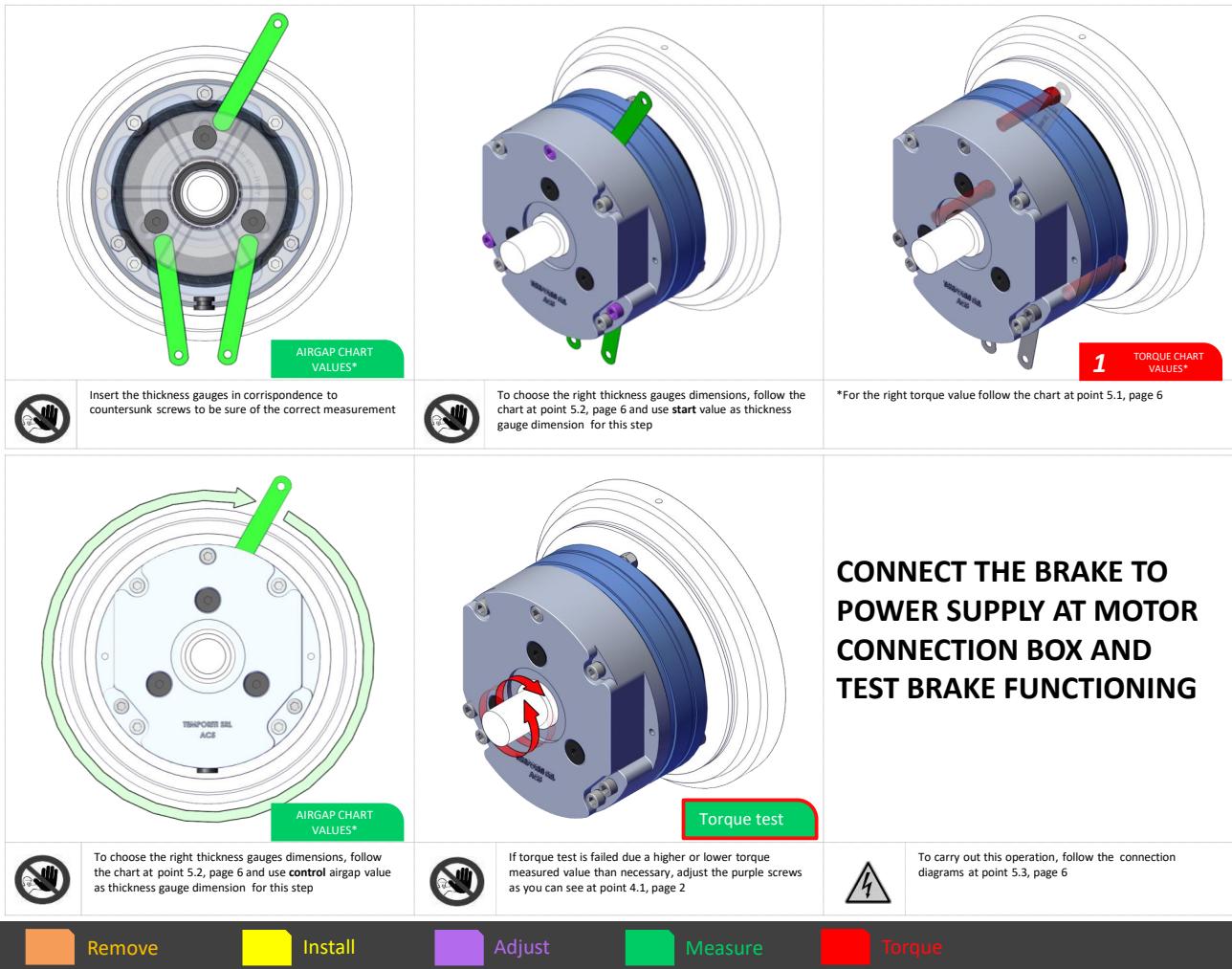
Remove

Install

Adjust

Measure

Torque



5.1- Torque Values

ASSEMBLING TORQUE CHART								
	AC1	AC2	AC3	AC4	AC5	AC6 AC6/D	AC7 AC7/D	AC8 AC8/D
Nuts tightening torque [Nm]	3	6	6	10	10	23	23	46

5.2- Airgap values

AIRGAP CHART [mm]									
AC1		AC2		AC3		AC4		AC5	
CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
0.15 GO - 0.25 NO GO	0.20 GO - 0.30 NO GO	0.30 GO - 0.40 NO GO (0.50 GO - 0.60 NO GO)	0.30 GO - 0.40 NO GO (0.50 GO - 0.60 NO GO)	0.30 GO - 0.40 NO GO (0.50 GO - 0.60 NO GO)	0.30 GO - 0.40 NO GO (0.50 GO - 0.60 NO GO)	0.30 GO - 0.40 NO GO (0.50 GO - 0.60 NO GO)			
START	MAX	START	MAX	START	MAX	START	MAX	START	MAX
0.15	0.50	0.20	0.60	0.20	0.60	0.20	0.70	0.30 (0,50)	0.80 (1,00)
0.20	0.20	0.60	0.70	0.20	0.70	0.30 (0,50)	0.80 (1,00)	0.30 (0,50)	0.80 (1,00)

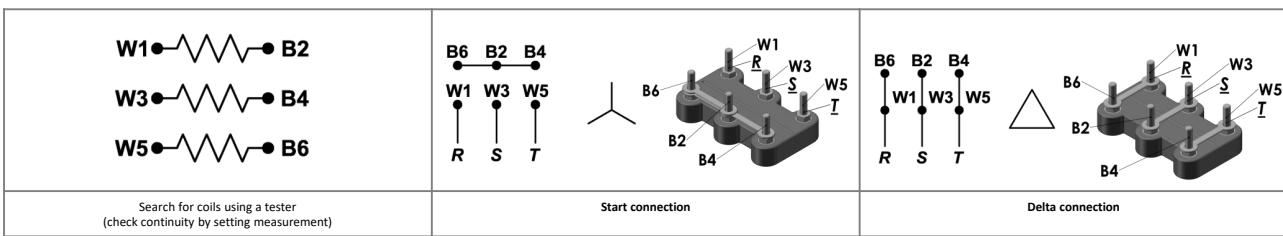
MAX AIRGAP VALUE Max airgap value is the airgap value for which, once reached, it is compulsory restore to starting airgap value

AIRGAP VALUE WITH MICROSWITCH In case of brake equipped with microswitch, minimum air gap:
Single disc: 0.4mm
Double disc: 0.5mm

THICKNESS GAUGE POSITIONING For a correct airgap measuring, the thickness gauge has to be positioned in correspondence of the magnet surface and not on the external border of the magnet container or resin

5.3- Electrical connection

Connect the brake to motor according to the following schema connection



6- Servicing

A frequent brake inspection is necessary for all parts as the wear depends on a series of factors and mainly on the load inertia, the shaft speed and the operation frequency. Verify the main parts of the brake group and, in case, replace them with original spare parts supplied by Temporit SRL. The principal values that has to be checked are the airgap and the disc thickness.
The brake airgap value has to be lower than max airgap value stated at point 5.2, page 6.
The disc thickness value has to be higher than the value stated at point 6.1, page 7.

Servicing may be roughly determined according to what is pointed out on the site.

6.1- Disc replacement

The disc must be replaced after a consumption of 1,5mm per friction material ring, that is when the minimum total thickness value is reached.

Disc replacement thickness limit – B [mm]								
BRAKE SIZE	AC1	AC2	AC3	AC4	AC5	AC6	AC7 AC7/D	AC8 AC8/D
STANDARD FRICTION MATERIAL	4.80	5.50	5.50	5.50	6.30	6.30	7.50	8.10



7-Disposal and recycle information



Recycle in eco-friendly way the packaging, metals and all the parts of no longer working brakes.

DO NOT THROW USED ELECTROBRAKES, OR PARTS THEREOF

Dispose separately from household rubbish the friction material (asbestos-free) after removing it from the metal part of the disk with a proper tool. Remove the resin from the electromagnet with a proper tools and dispose of it in accordance with current law regulations. According to the European Directive 2002/96/CE on waste electrical and electronic equipments (RAEE) and its implementation of national law, the electrical equipments no longer usable must be collected separately and must be sent to a recycling step

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