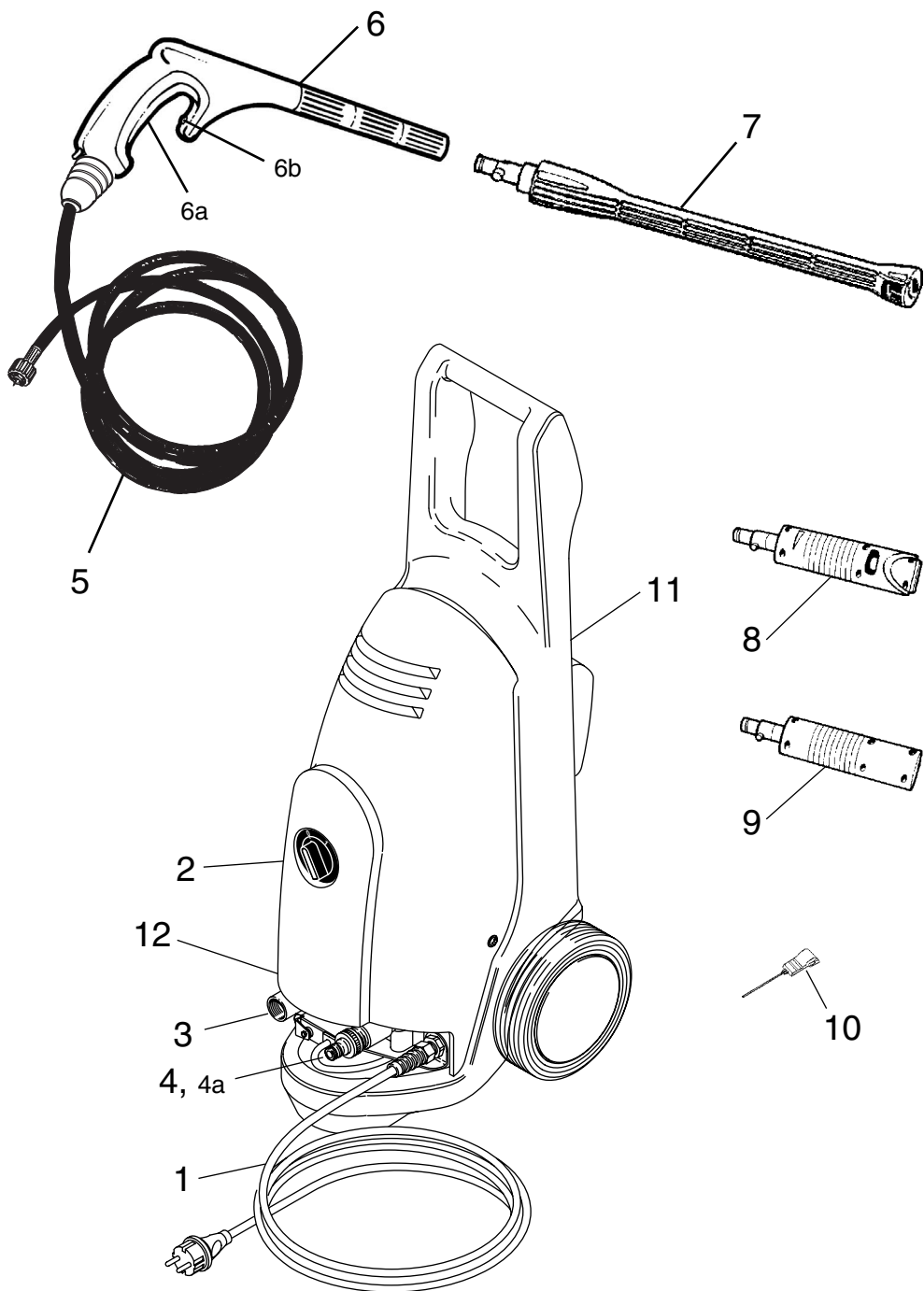


PRO PRO X-TRA



ALTO®
Why
Compromise™

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We congratulate you on your new ALTO High Pressure Washer

We are confident that the new high pressure washer of ALTO will justify your expectations of quick and effective cleaning. Now you have a cleaning device which will facilitate your future cleaning tasks and make them more effective. Many tasks which were previously difficult, can now be solved in a few minutes and with a much better result.

If, contrary to expectations, problems should arise which cannot be remedied by means of the information in section 7.0, the ALTO service organization will be at your disposal.

ALTO is a global concern with a comprehensive knowledge within development and manufacturing of efficient and environmentally friendly cleaning solutions. Our product range comprises cleaning solutions for selected customer groups - from machines for domestic use to big industrial cleaning systems.

The expertise of ALTO is cleaning focusing the need of the customer. The key word is confidence - we name it Total Cleaning Confidence™. Our wish is that you as a customers should feel quite confident that the cleaning equipment you buy from us is the most efficient and that it fulfils all of your expectations.

Best regards
ALTO Danmark A/S

Fields of application EN

The applications for this product are domestic cleaning jobs:

Car, motorbike, boat, caravan, trailer, patio/drive/flagstones, woodwork, brickwork, barbecue, garden furniture etc.

Model survey (P 12 570)

- 1. Electric cable
- 2. Start/stop switch
- 3. Connection for high pressure hose
- 4. Connection for water (with filter)
- 5. High pressure hose
- 6. Spray handle with trigger
- 7. Spray lance with bayonet socket
- 8. TORNADO® nozzle
- 9. POWERSPEED® nozzle (not standard)
- 10. Needle for cleaning of nozzle
- 11. Tank for detergents
- 12. Dosing regulator for detergents

Contents EN

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Specifications: See model tag of machine.

Sound pressure level L_{pA} measured in accordance with ISO 3744, EEC Directive 2000/14/EEC: 80 dB(A).

Hand/arm vibrations measured according to ISO 5349 is 2 m/s².

We reserve the right to alter the specifications.

1.0 Preparation

EN

Before starting up your high pressure washer, we advise you to carefully read through this instruction manual. Follow all instructions to minimize the risk of injuries when using the machine.

Prior to operation

Before starting up your machine please check it carefully for any defects. If you find any, do not start up your machine and contact your ALTO distributor.

Especially check:

- The insulation of the electric cable should be faultless and without any cracks. If the electric cable is damaged, it should be replaced by an authorized ALTO distributor.

Mains power connection

The following should be observed when connecting the high pressure washer to the electric installation:

- Only connect the machine to an installation with earth connection.
- The electric installation shall be made by a certified electrician.
- It is strongly recommended that the electric supply to this machine should include a residual current device (GFCI).

Extension cable

Extension cables should be of a watertight construction and comply with the below-mentioned requirements for length and cable dimensions.

1,0 mm ²	max	12,5	m
1,5 mm ²	max	20	m
2,5 mm ²	max	30	m

- Cable connections should be kept dry and off the ground.
- Always uncoil the extension cable completely to avoid heat damage to the cable.

Water connection

Connect the high pressure washer by means of a water hose to the water tap (pressure of inlet water, max. 10 bar - temperature of inlet water, max. 50°C). You may use an ordinary ½" garden hose of **min. 5 m** and **max. 25 m**. Attach the hose using a quick connector. **NOTE:** Connection to the public mains according to regulations.

IMPORTANT! Only use water without any impurities. If there is a risk of running sand in the inlet water (i.e. from your own well), a filter should be mounted.

Safety precautions

- **WARNING!** High pressure jets can be dangerous. Never direct the water jet at persons, pets, live electrical equipment or the machine itself.
- The operator and anyone in the immediate vicinity of the site of cleaning should take action to protect themselves from being struck by debris dislodged during operation. Wear goggles during operation.
- Never try to clean clothes or footwear on yourself or other persons.
- Do not let children or people who have not read the instruction manual operate the machine.
- Never use the machine in an environment where there could be a danger of explosion. If any doubt arises, please contact the local authorities.
- It is not allowed to clean asbestos-containing surfaces with high pressure.



Safety devices

Locking device on spray handle

The spray handle features a locking device (6b). When the pawl is activated, the spray handle cannot be operated.

2.0 Operating Instructions

2.1 Operating facilities

- Start-/stop rotary switch (2).
- Trigger with lock (6).
- Dosing regulator for detergents.

2.2 Connection

1. Attach the high pressure hose (5) to the high pressure washer.
Only use one extension hose of max. 7 m.
2. Attach the nipple of the high pressure hose to the spray handle quick coupling.
3. Mount the nozzle or any other equipment you want to use.
4. Connect the machine to the water and power supplies.

2.3 Start

1. Check that the machine is in vertical position.
2. Activate trigger (6a) and let the water run out until any air has escaped from the inlet hose.
3. Turn the start/stop switch (2) to pos. I.

2.4 Operation

1. Always hold the spray lance firmly with both hands! The spray lance is affected by a longitudinal thrust of up to 26.5 Nm when the high pressure washer is operated.
2. Point the nozzle at the ground.
3. Activate the trigger of the spray handle (6a).
4. Always adjust the distance and thus the pressure of the nozzle to the surface which is to be cleaned. **NOTE:** The pressure can be regulated on the TORNADO® nozzle.

NOTE: Do not cover the machine during operation. If the machine is left or not used for 5 minutes, it must be switched off on the start/stop switch (pos. **O**).

Operation with detergents

Application of detergents is **NOT** possible if an extension hose is applied.

1. Fill the tank with a detergent.
2. Mount the TORNADO® nozzle and adjust it to low pressure (turn to the right).
3. Adjust the dosing regulator to the required volume of detergent.
4. Apply the detergent from below and upwards.
5. Let the detergent act for the time stated on the packing of the detergent and flush with pure water.

2.5 Suction mode

The machine can take in water from a rain water butt as an example. The water inlet hose must not be too long, approx. 5 m.

1. Make sure that the water butt is not placed on a lower level than the machine.
2. Attach the water inlet hose to the machine and place the other end of it in the water butt.
3. Start the machine.
4. Detach the spray lance and activate the trigger of the spray lance. Keep the trigger activated until water has come out for approx. 15 seconds.
5. Remount the spray lance and the machine is ready for operation.

NOTE: The internal filter of the machine is not intended for the filtration of large quantities of impurities. If the water contains leaves, sand or the like, an external suction filter should be mounted. For further information, please contact your nearest ALTO distributor.

2.6 End of operation

1. Stop the machine by turning the start/stop switch (2) to pos. **O**.
 2. Disconnect the plug from the socket.
 3. Shut off the water supply and activate the trigger (6a) to relieve the machine of pressure.
- Concerning storage, please refer to section 5.0.



Equipment

Only use original accessories.

Nozzles

Tornado® (8)



Attached with the bayonet coupling system. Stored on the machine.

Universal adjustable nozzle.

Turn to the left:

high pressure.

Turn to the right:

low pressure.

Powerspeed® (9)



Nozzle with rotating jet for stubborn dirt on hard surfaces.

Extension hose

7 m extension hose increasing the working range.

Brushes



For cars and other surfaces. Available in more shapes.



Tube cleaner

15 m long tube cleaner for the cleaning of tubes and drains.

Water-sand-blasting equipment

For removal of paint and rust. Sand available from do-it-yourself shops.

Patio Cleaner

Equipment for quick and regular cleaning of horizontal (tiles etc.) and vertical surfaces.



Garden brush

Rotating brush for cleaning of wooden surfaces.



Rim brush

Rotating brush for cleaning of wheel rims.



Detergents

Only use original accessories.

Stone & Wood Cleaner

For flagstones, brick- and woodwork. Suitable for moss and algae.

Plastic Cleaner

For plastic and synthetic materials such as garden furniture.

Accessories EN

Metal Cleaner	For cleaning of metal such as garden tools.
Car Combi Cleaner	For cars etc. With rinsing wax.
Alu Cleaner	For surfaces of aluminium. Applied with an atomizer.
Oil & Grease Cleaner	For cleaning of grease and oil on motors for instance. Applied with an atomizer.
Wood Cleaner	For cleaning of wooden surfaces incl. of wooden garden furniture.

4.0 Maintenance EN

WARNING! Always disconnect the plug from the socket prior to maintenance or cleaning.

To ensure a long and problem free working life, please take the following advice:

- Wash out water hose, high pressure hose, spray lance and accessories before mounting.
- Clean the couplings of dust and sand.

Any repair should always be made in an authorised workshop with original spare parts.

4.1 Cleaning of nozzle

A clogging up in the nozzle causes a pump pressure which is too high. This is why cleaning is required immediately.

1. Stop the machine and disconnect the nozzle.
2. Clean the nozzle with the cleaning needle (10).

IMPORTANT: The needle should only be used when the spray lance is detached!

3. Flush the spray lance backwards with water.

4.2 Cleaning of water inlet filter

Clean the water inlet filter (4a) regularly once a month or more frequently according to use.

1. Detach water inlet hose and coupling.
2. Pull out the filter and rinse it carefully.
3. Check that it is intact before re-mounting it.

5.0 Storage EN

The machine should be stored in a frost-free room!

Pump, hose and accessories should always be emptied of water prior to storing as follows:

1. Stop the machine (rotary switch in pos. **O**) and detach water hose and accessory.
2. Restart the machine and activate the trigger. Let the machine run until no more water runs through the spray handle.
3. Stop the machine, unplug and detach high pressure hose. Both are coiled up and placed around the handle of the machine.
4. Place spray handle, nozzles and other accessories in the holders of the machine.

Should the machine by mistake be frozen, it will be necessary to check it for damage.

NEVER START-UP A FROZEN MACHINE.

Frost damages are not covered by the guarantee!

6.0 Questions and answers

Why do I have to use an atomizer for some detergents?

Some detergents (except from soaps) must be applied undiluted. For that purpose an atomizer or maybe a brush is unique.

Why must the high pressure washer be stored in a frost free room?

The machine may contain water which, when freezing, may damage vital parts.

How do I store my high pressure washer in the best possible way?

Always empty the high pressure washer of water by activating the trigger of the spray handle - after having disconnected the water supply. Always detach the high pressure hose and coil it up without bending it.

May I use an ordinary detergent in my high pressure washer?

No. You may damage the cleaner and achieve a bad result. The detergents of ALTO have been specially developed for use with a high pressure washer and ensures a correct dosage and a quick effect.

Can I do anything special to keep my high pressure washer in a good condition?

Yes, beyond cleaning it carefully before set aside, it will be a good idea to lubricate the couplings now and then with grease or vaseline.

7.0 Trouble shooting guide

EN

To avoid unnecessary disappointments, you should check the following before contacting the ALTO service organisation:

Symptom	Cause	Recommended action
Machine refuses to start	Machine not plugged in Defective socket Fuse has blown Defective extension cable	Plug in machine. Try another socket. Replace fuse. Switch off other machines. Try without the extension cable.
Machine stops	Fuse has blown Incorrect mains voltage Thermal sensor activated	Replace fuse. Switch off other machines. Check that the mains voltage corresponds to specification on the model tag. Wait - the machine will start after a few minutes. WARNING! The trigger of the spray handle must not be activated.
Fuse blows	Fuse too small	Change to an installation higher than the amp. consumption of the machine. You may try without the extension cable.
Machine pulsating	Air in inlet hose/pump Inadequate supply of mains water Nozzle partially blocked Water filter blocked Hose kinked High pressure hoses too long	Allow machine to run with open trigger until regular working pressure resumes. Check that the water supply corresponds to specifications required (see model tag) NB! Avoid using long, thin hoses (min 1/2") Clean the nozzle (see section 4.1) Clean the filter (see section 4.2) Straighten out hose. Disconnect high pressure extension hoses and retry. (Extension hose max. 7 m).
Machine often starts and stops by itself	Pump/spray handle is leaking	Contact your nearest ALTO Service Centre.
Machine starts, but no water comes out	Pump/hoses or accessory frozen No water supply Water filter blocked Nozzle blocked	Wait for pump/hoses or accessory to thaw. Connect inlet water. Clean the filter (see section 4.2) Clean the nozzle (see section 4.1)

In case problems other than the above occur, please contact your local ALTO distributor.

Customer services (UK only):

ALTO Cleaning Systems Ltd.
Bowerbank Way
Gilwilly Industrial Estate
Penrith, Cumbria CA11 9BN

Phone: 01 768 868 995

Customer service (AUS):

ALTO Overseas Inc.
1B/8 Resolution Drive
P.O. Box 797
Caringbah, N.S.W. 2229

Phone: 02 9524 6122

8.0 Warranty conditions

EN

ALTO guarantees high pressure washers for domestic use for 2 years. If your high pressure washer or accessories are handed in for repair, a copy of the receipt must be enclosed.

Guarantee repairs are being made on the following conditions:

- that defects are attributable to flaws or defects in materials or workmanship. (wear and tear as well as misuse are not covered by the guarantee).
- that the directions of this instruction manual have been thoroughly observed.
- that repair has not been carried out or attempted by other than ALTO-trained service staff.
- that only original accessories have been applied.
- that the product has not been exposed to abuse such as knocks, bumps or frost.
- that only water without any impurities has been used.
- that the high pressure washer has not been used for rental nor used commercially in any other way.

Repairs under this guarantee include replacement of defective parts, exclusive of packing and postage/carriage. Besides, we refer to your national law of sale.

The machine should be forwarded to one of the service centres of the ALTO organisation with description/specification of the fault.

Repairs not covered by the guarantee conditions will be invoiced. (I.e. malfunctions due to **Possible Causes** mentioned in section **Troubleshooting Chart** of the instruction manual).

8.0 Garantia

PT

ALTO oferece garantia de 2 anos para aparelhos de alta pressão utilizados por particulares. A garantia é válida a partir da data de aquisição. Em caso de necessidade de reparações dentro do prazo da garantia, a cópia da nota fiscal de compra deverá então ser anexado ao aparelho ou acessórios.

Condições de reparação dentro do prazo de garantia:

- em caso de falhas de material ou de fabricação (a garantia não é válida em questões de desgaste ou desuso)
- as intrusões contidas no manual de instruções deverão ser mantidas rigorosamente.
- eventuais reparações não podem ser efetuadas por outros serviços técnicos que não sejam os autorizados pela ALTO.
- somente deverão ser utilizadas peças originais.
- o aparelho de alta pressão não tenha sido exposto a sobrecargas em forma de pancadas, queda ou congelamento.
- Somente tenha sido utilizada água limpa, sem impurezas.
- que o aparelho de alta pressão não tenha sido alugado, ou tenha sido utilizado a fins comerciais.

Reparações dentro da garantia incluem somente a troca de peças danificadas; não são incluídas despesas de transporte ou de embalagem. Em qualquer caso, serão válidas as leis nacionais de compra.

O aparelho deverá ser entregue/transportado a uma oficina de serviços técnicos autorizada pela ALTO, juntamente com uma descrição/especificação do defeito.

Reparações que não sejam abrangidas pela garantia serão faturadas (como exemplo, se a origem da falha é devida a um dos motivos mencionados no manual de instruções, capítulo problemas e soluções).

8.0 Condiciones de la garantía

ES

ALTO garantiza el equipo de limpieza de alta presión para uso doméstico por 2 años. La garantía se aplica desde la fecha de compra. Debe adjuntar una copia del recibo al entregar para la reparación su máquina de alta presión o sus accesorios.

Las reparaciones cubiertas por la garantía deben cumplir las siguientes condiciones:

- que los defectos sean atribuibles a fallos o defectos en los materiales o la manufactura. (El desgaste por utilización así como el mal uso no están cubiertos por la garantía).
- que las instrucciones de este manual se hayan observado completamente.
- que la reparación no haya sido realizada o intentada por persona ajena al personal instruido por ALTO.
- que se hayan utilizado únicamente accesorios originales.
- que el producto no se haya expuesto a malos usos tales como golpes, abolladuras o heladas.
- que se haya utilizado únicamente agua sin impurezas.
- que el equipo de limpieza de alta presión no se haya arrendado ni utilizado comercialmente de cualquier otra manera.

Las reparaciones cubiertas por esta garantía incluyen la sustitución de partes defectuosas, a excepción del embalaje y portes/transporte. Además, consulte su Ley Nacional de Ventas. La máquina debe ser enviada a uno de los servicios técnicos de ALTO con la descripción/especificación de la avería.

Las reparaciones no cubiertas por las condiciones de esta garantía se facturan. (Es decir, los desperfectos debidos a **Posibles Causas** mencionadas en la sección **Problemas**. Guía rápida del manual de instrucciones).

8.0 Όροι Εγγύησης

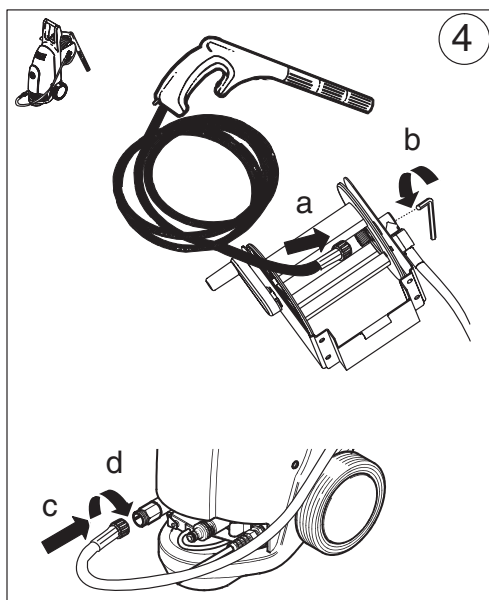
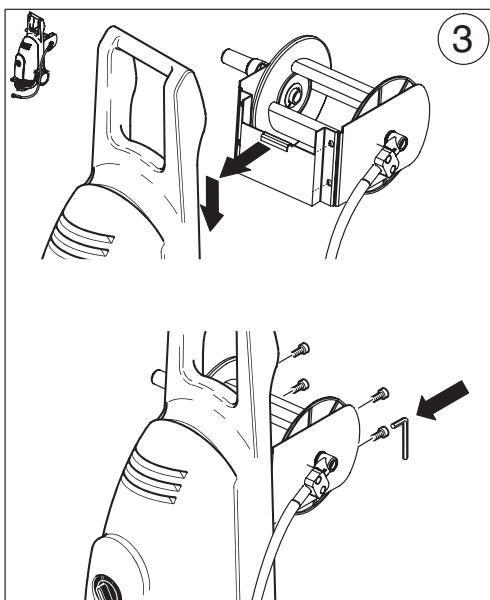
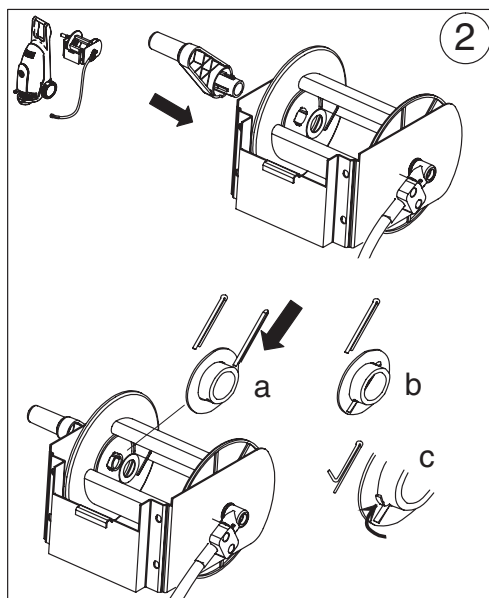
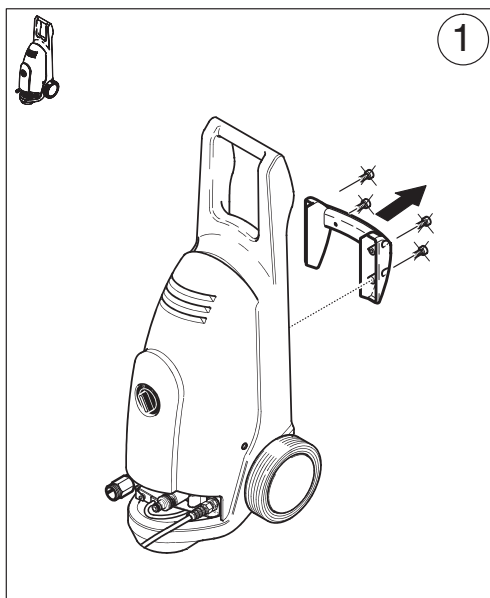
EL

Η ALTO εγγυάται την καλή λειτουργία των πλυστικών μηχανών οικιακής χρήσης για 2 χρόνια. Η εγγύηση ισχύει από την ημερομηνία αγοράς. Εάν η πλυστική σας μηχανή ή κάποιο παρελκόμενο δοθεί για επισκευή, πρέπει να συνοδεύεται από ένα αντίγραφο του παραστατικού αγοράς. Επισκευές υπό εγγύηση γίνονται υπό τις κάτωθι συνθήκες:

- η ιδιότητά είναι αποτέλεσμα κακής συναρμολόγησης ή ελαττωματικού μέρους του μηχανήματος. (Συνήθης φθορά όπως και κακή χρήση δεν καλύπτονται από την εγγύηση).
- έχουν ακολουθηθεί οι οδηγίες χρήσης πιστά.
- δεν έχει γίνει επισκευή (ή προσπάθεια επισκευής) από μη εξουσιοδοτημένο συνεργείο της ALTO.
- μόνο νήσια παρελκόμενα και αξεσουάρ έχουν χρησιμοποιηθεί.
- το μηχανήμα δεν έχει κακομεταχειρισθεί, χτυπηθεί ή υποστεί παγετό.
- μόνο καθαρό (πόσιμο) νερό έχει χρησιμοποιηθεί.
- ότι δεν έχει χρησιμοποιηθεί για άλλη από οικιακή χρήση (ενοικίαση ή επαγγελματική)

Η υπό εγγύηση επισκευή καλύπτει μόνο τα ελαττωματικά μέρη και όχι την συσκευασία και αποστολή ή μεταφορά του μηχανήματος. Άλλωστε απευθυνθείτε στην εθνική σας νομοθεσία περί πωλήσεων. Το μηχανήμα πρέπει να δοθεί για επισκευή μόνο σε εξουσιοδοτημένο συνεργείο της ALTO με περιγραφή της βλάβης.

Επισκευές που δεν καλύπτονται από την εγγύηση θα χρεωθούν. (Δηλαδή, διαλειτουργίες με „Πιθανές Αιτίες” που αναφέρονται στην ενότητα και στον πίνακα επίλυσης προβλημάτων αυτού του εγχειδίου).



Art. no. 6410760



EN	Extension hose
ES	Alargo de manguera
PT	Mangueira de extensao
GR	Σωλήνας προέκτασης
PL	Wąż przedłużający
CS	Prodlužovací hadice
HU	Hosszabító
TR	Uzatma hortumu

Art. no. 6411150



EN	Patio cleaner
ES	Patio cleaner
PT	Patio cleaner
GR	Patio cleaner
PL	Patio cleaner
CS	Patio cleaner
HU	Patio cleaner
TR	Patio cleaner

Art. no. 6410762



EN	Rotary brush
ES	Cepillo rotatorio
PT	Escova rotadora
GR	Βούρτσα με ξύστρα
PL	Szczotka rotacyjna
CS	Rozprašovač pěny
HU	Forgó kefe
TR	Döner fırça

Art. no. 6410766



EN	Pipe cleaner
ES	Tubo limpiador
PT	Limpador de canos
GR	Αποφρακτικό
PL	Wkładka do czyszczenia rur
CS	Čistič potrubí
HU	Csőtisztító
TR	Boru temizlemesi

RECEIPT

xx/xx/2003

ALTO high pressure washer

Total €

