

# DISHWASHER

ELECTROMECHANICAL SWITCHES  
LOWER WASHING

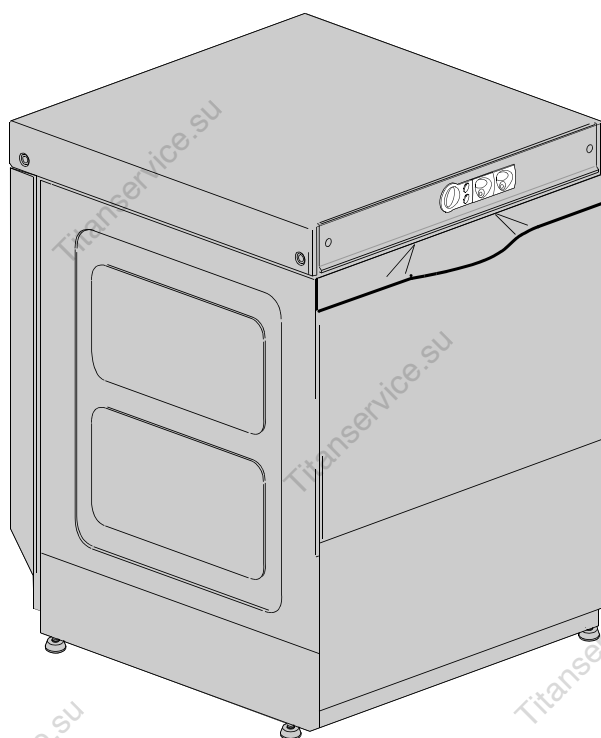
TYPE: 67U

Accessories  
COLD RINSE  
WATER SOFTNER  
DETERGENT DISPENSER  
DRAIN PUMP

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## Spare Parts Manual

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S/N:

Valid from:05/2005

Rev.: 3.0

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INFORMAZIONI GENERALI

Questo catalogo serve per richiedere con esattezza le parti di ricambio

Nelle ordinazioni indicare:

1) il numero dei codici dei particolari seguito dalla descrizione e la quantità desiderata;

2) Il codice alfa-numerico presente nella seconda colonna della tabella ;

I disegni delle parti di ricambio sono solo indicativi e non rappresentano il pezzo in oggetto.

I dati contenuti in questo catalogo sono indicativi e possono essere soggetti a modifiche senza impegno di preavviso.

ALLGEMEINE INFORMATIONEN

Dieser Ersatzteilkatalog dient zur genauen Angabe der Teile bei Ersatzteilbestellungen.

Bei Ersatzbestellung ist folgendes anzugeben:

1) Die Bestellnummer der Ersatzteile mit der entsprechenden Beschreibung genaue Menge;

2) Der alpha-numerischer Code auf der zweiten Reihe in dein Sculd;

Die Zeichnungen der Ersatzteile sind nur als Hinweise gedacht und stellen nicht das betroffene Teil dar.

Bei den im Katalog angeführten Daten handelt es sich um Anhaltsdaten, die jederzeit, ohne Vorankündigung, geändert werden können.

GENERAL INFORMATION

The present spare parts order exactly the right spare parts

When ordering specify:

1) the part's code number followed by its description and quantity needed;

2) The alpha-numeric code is in the second column in the chart;

Spare parts drawings are general and do not represent the part.

The contents of this catalogue are general and can undergo changes without prior notice.

INFORMACIONES GENERALES

El presente catálogo sirve para pedir con exactitud las partes de repuesto

En los pedidos se debe indicar:

1) el número de código de la parte y a continuación la descripción cantidad deseada;

2) El código alfanumerico presente en la segnada columna de la tabla;

Los diseños de las partes de recambio son solo indicativos y no representan la pieza en cuestión.

Los datos contenidos en el presente catálogo son indicativos y pueden modificarse sin aviso previo.

INFORMATIONS GENERALES

Ce catalogue permet de commander correctement les pièces detachées

Les commandes doivent être passées en indiquant:

1) le numero de code des pièces détachées suivi de leur description quantité désirée;

2) le code alphanumérique dans la deuxieme colonne du tableau;

Les plans des pièces détachées sont fournis seulement à titre indicatif et ne représentent pas la pièce concernée.

Les données de ce catalogue sont citées seulement à titre indicatif et peuvent être l'objet de modifications sans avis préalable.

ESEMPIO  
EXAMPLE  
EXEMPLE  
BEISPIEL

Rif.	Codici
MODULE:Particolari	
10505	540903
10510	540908
10515	15065/A
10520	540086
10525	540028



Note

Tutte le informazioni riportate si intendono aggiornate alla data di stampa. Il Produttore si riserva il diritto di apportare qualsiasi modifica richiesta dallo sviluppo evolutivo dei suddetti prodotti.

Per la sicurezza ,la garanzia, l'affidabilità ed il valore della lavastoviglie usa solo ricambi originali. Per alcuni codici, sono richieste quantità minime d'ordine.



Attenzione

Questo libretto è parte integrante della lavastoviglie e, in caso di passaggio di proprietà, deve essere consegnato al nuovo acquirente.



Remarque

Toutes les informations contenues dans ce manuel s'entendent mises à jour à la date d'impression. En raison du développement constant de ses produits, usine se réserve le droit d'apporter à tout instant les modifications qu'elle jugera utiles.

Pour la sécurité, la garantie, la fiabilité et la valeur de votre lavevaisselles n'utilisez que des pièces de rechange d'origine. Pour quelque référence on demande un minimum de pièces par commande



Attention

Ce manuel doit être considéré comme partie intégrante de la lavevaisselles, en cas de transfert de propriété, doit toujours être remis au nouveau propriétaire.



Note

The information contained herein is valid at the time of going to print. The Company reserves the right to make any changes required by the future development of the above-mentioned products.

For your safety, as well as to preserve the warranty reliability and worth of your dishwashers , use original spare parts only. For some codes a minimum quantity for order is required.



Warning

This manual forms an integral part of the dishwashers and - if a transfer of title occurs - must always be handed over to the new owner.



Hinweis




Die Der Hersteller behält sich das Recht vor, jegliche, durch eine Weiterentwicklung der genannten Produkte bedingte Änderungen vornehmen zu können.

Verwenden Sie für Ihre Sicherheit, die Garantie, die Zuverlässigkeit und den Wert Ihrer machine originale Ersatzteile. Für bestimmte Code nummer werden mindesten bestellungen verlangt.



Achtung

Diese Betriebsanleitung ist Bestandteile des machine und muss bei seinem Weiterverkauf dem neuen Besitzer ausgehändigt werden.




Code 999XXXXXX

Model DESCRIPTION

S/N 04012345


Type .....

CL/Part




400VAC3N  
3500W

50HZ

 16A

8A  
500W

IPX3



TECHICAL SPECIFICATION

Pressione Dinamica alimentazione idrica  
Pression dynamique arrivée d'eau  
Dynamic pressure water supply  
Dynamischer Druck asserreinlauf

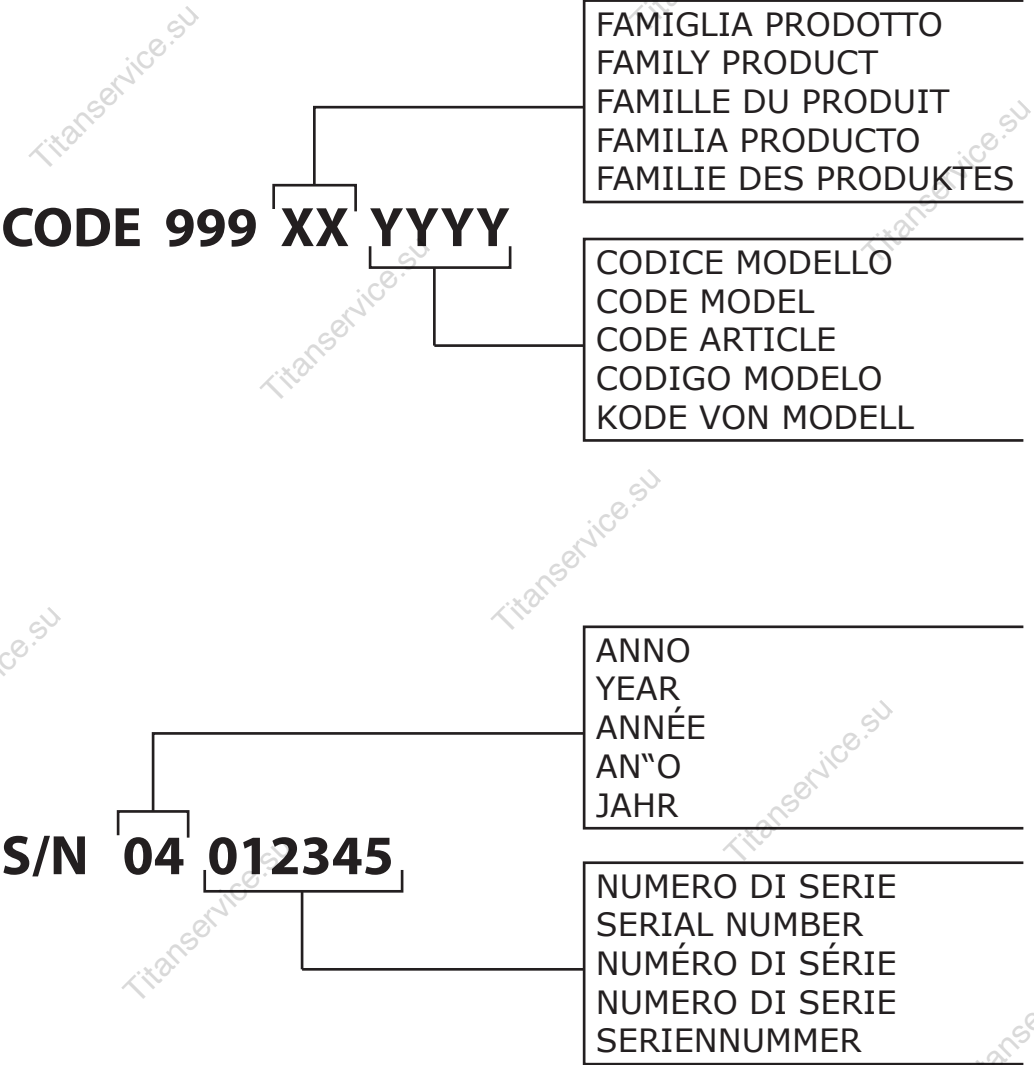
200-500

MADE IN ITALY

Temperatura massima acqua in ingresso 60°C  
Temperature max eau a l'entre  
Maximale Temperatur Wasseranschlù  
Maximum Water temperature in-feeding

Model 

S/N 



Spare parts

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## 1. Spare parts

General body parts.....	7
Lockup system .....	9
Control panel and switches.....	11
Electric control components.....	13
Solenoid valve group .....	15
Solenoid valve group .....	17
Water softner assembly .....	19
Rinse aid dispenser group.....	21
3 ways connection .....	23
4 ways connection .....	25
Wash pump .....	27
Dosing detergent group.....	29
Drain pump group.....	31
Pressure switch group with air trap ...	33
Turret group with rotating arms .....	35

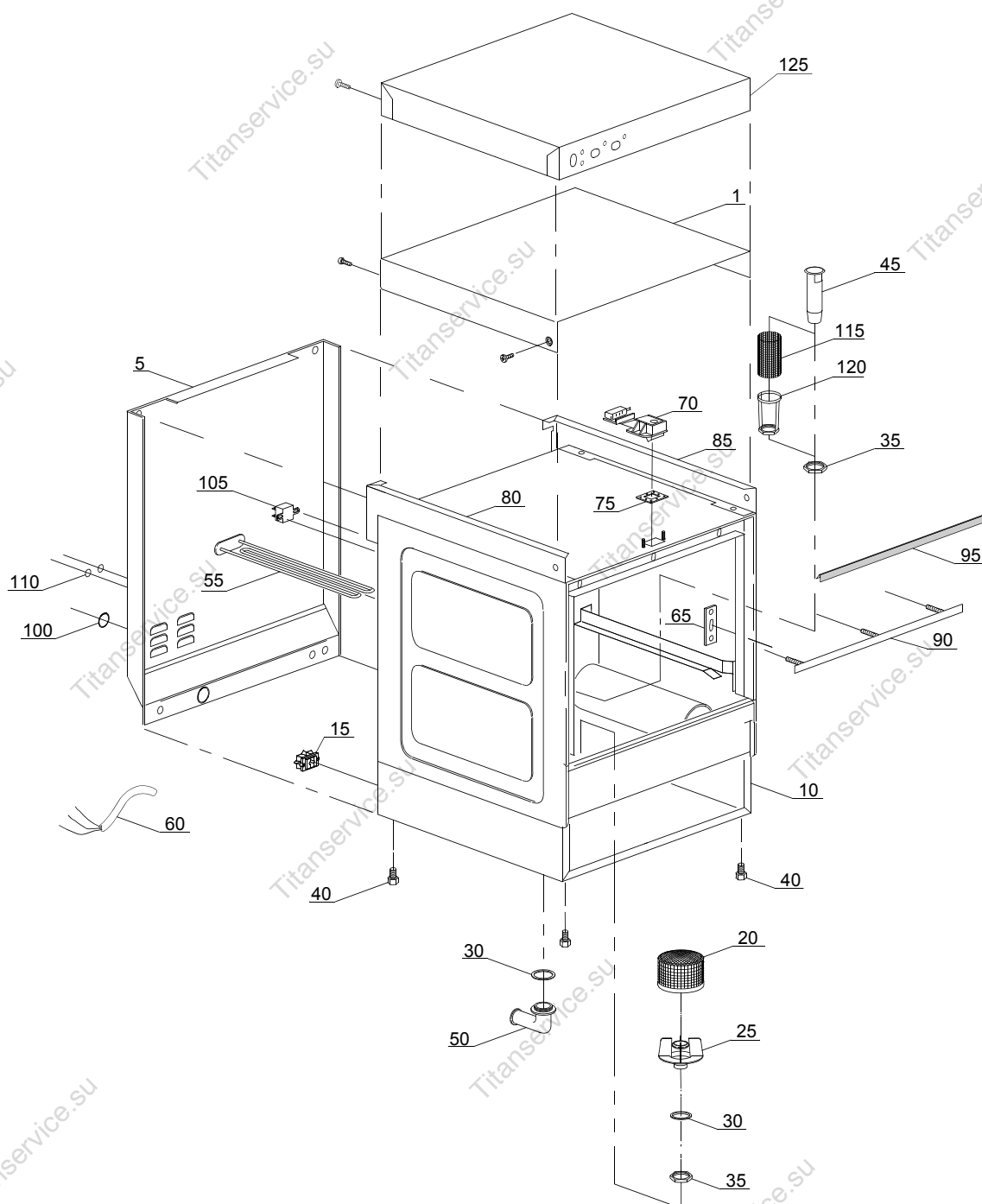


## 1.1 Voltage codes

Volt	Voltage code
A	3/N/PE~380-400V 50-60Hz
D	3/PE~200-210V 50-60Hz
F	2/PE~220-240V 50-60Hz
G	3/N/PE~415V 50-60Hz
H	3/PE~220-230V 50-60Hz
K	3/PE~380-400V 50-60Hz
L	3/PE~415V 50-60Hz
M	3/PE~440V 60Hz
P	1/N/PE~220-230V 50-60Hz
R	2/PE~220-240V 50-60Hz
U	1/N/PE~240V 50-60Hz
V	3/PE~240V 50-60Hz
W	1/N/PE~100-110V 50-60Hz

## 1.2 Product codes

Product code	Full name
Model codes	
em	ELECTROMECHANICAL SWITCHES
lw	LOWER WASHING
Type codes	
67U	67U
Accessory codes	
cr	COLD RINSE
ws	WATER SOFTNER
dd	DETERGENT DISPENSER
dp	DRAIN PUMP



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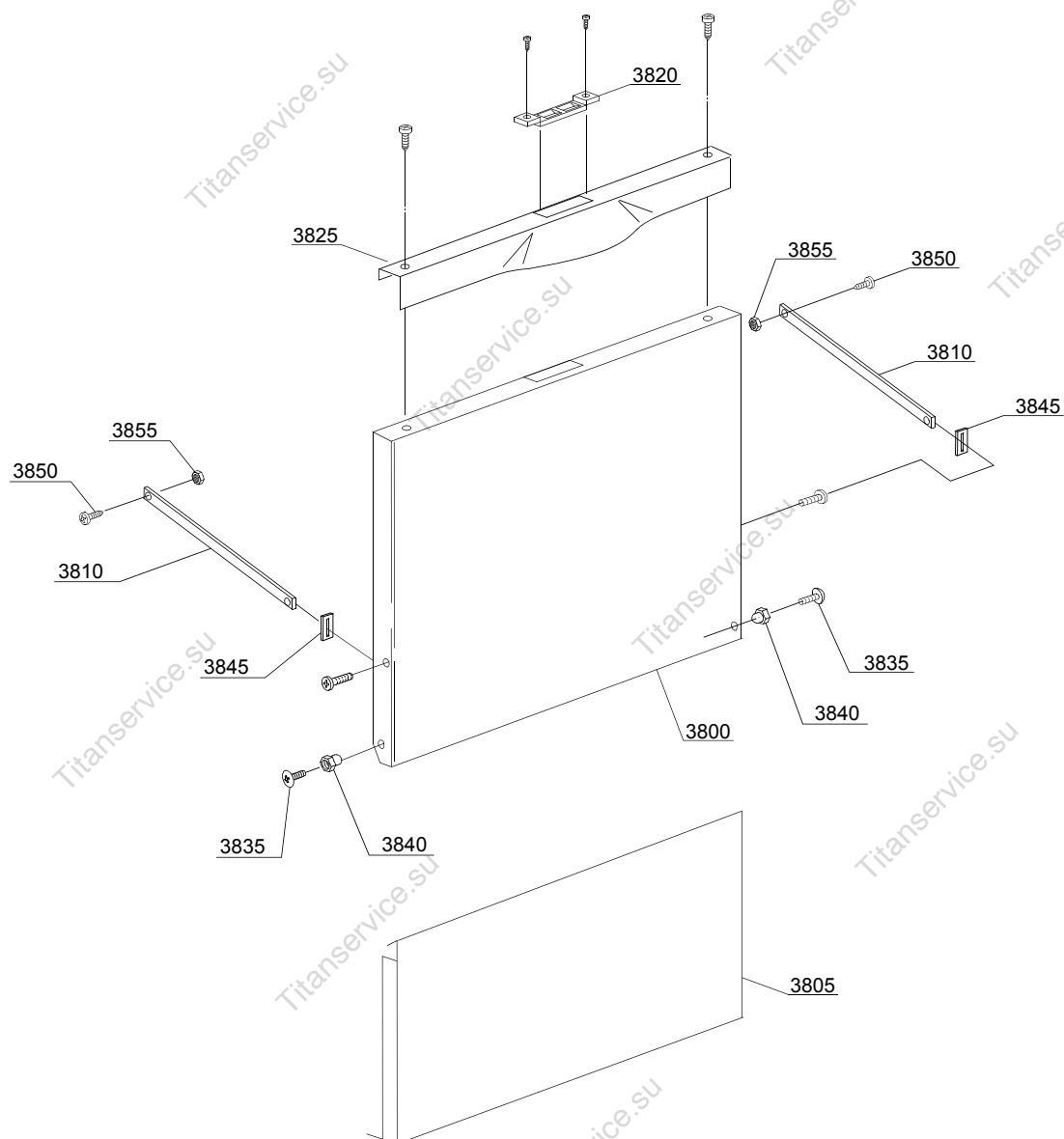
ID	P-code	SN from	SN to	Mod.	Acces.	Volt	Description
<b>Module:General body parts</b>							
1	250029		-				Cover
5	250015		-				Back panel
10	250000		-				Body
10	250001		-		ws		Body
15	15065/A		-				Cable-fastener with screw
20	540002		-				Pump filter
25	540000/A		-				Top filter body
30	13305		-				44x32x3 O-ring (minimum 5 pieces)
35	11701/A		-				Stainless steel nut
40	10850		-				Foot (minimum 4 pieces)
45	135252		-				Overflow pipe
50	10701		-				Drain elbow
55	10714		-				2/2,18KW 230/240V heating element
60	10713		-				3x2,5x2500 cable
65	150401		-				Door rod slide (minimum 4 pieces)
70	150402		-				Door jack assembly
75	150403		-				Door jack O-ring (minimum 5 pieces)
80	250026		-				Left cover back support
85	250025		-				Right cover back support
90	352919		-				Door O-ring angular
95	135206		-				Door O-ring
100	13317		-				D.40mm unloading pipe pass (minimum 2 pieces)
105	2000431		-				Safety thermostat
110	13323		-				D.13mm dosing pipe pass (minimum 2 pieces)
115	440751		-		dp		Drain pump stainless steel filter
120	11701/B		-		dp		Stainless steel nut

em=ELECTROMECHANICAL SWITCHES, lw=LOWER WASHING

67U=67U

cr=COLD RINSE, ws=WATER SOFTNER, dd=DETERGENT DISPENSER, dp=DRAIN PUMP

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ID	P-code	SN from	SN to	Mod.	Acces.	Volt	Description
<b>Module: Lockup system</b>							
3800	250005		-				Door
3805	250016		-				Lower door
3810	250041		-				Right/left door rod
3820	150402/D		-				Door jack
3825	250008		-				Stainless steel handle
3830	11139		-				Stainless steel screw
3835	11219		-				M5x25 stainless steel screw
3840	371400		-				Bush
3845	250042		-				Hinge door rod
3850	11121		-				M4x8 screw (minimum 20 pieces)
3855	11703		-				M4 inox Plated nut

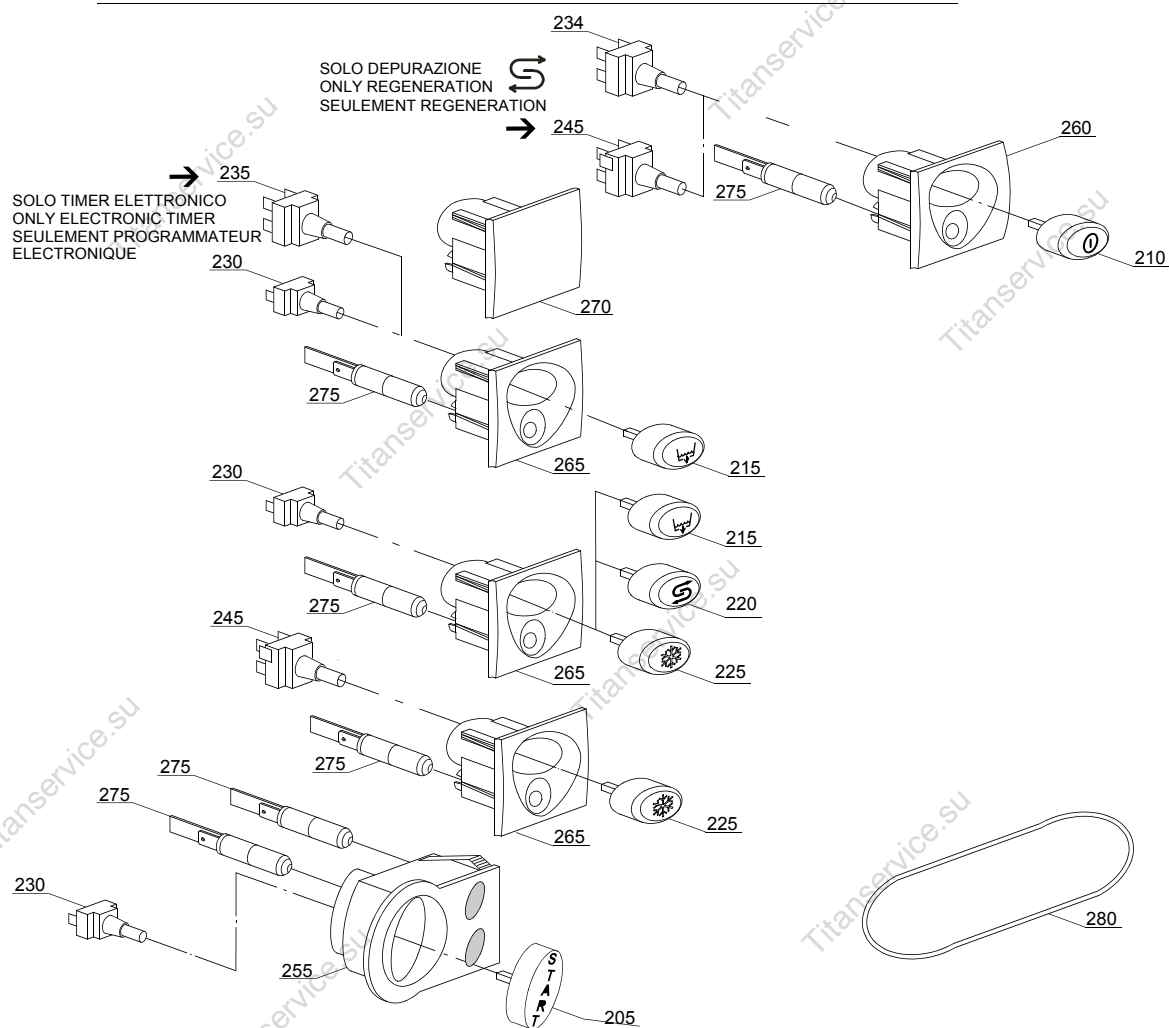
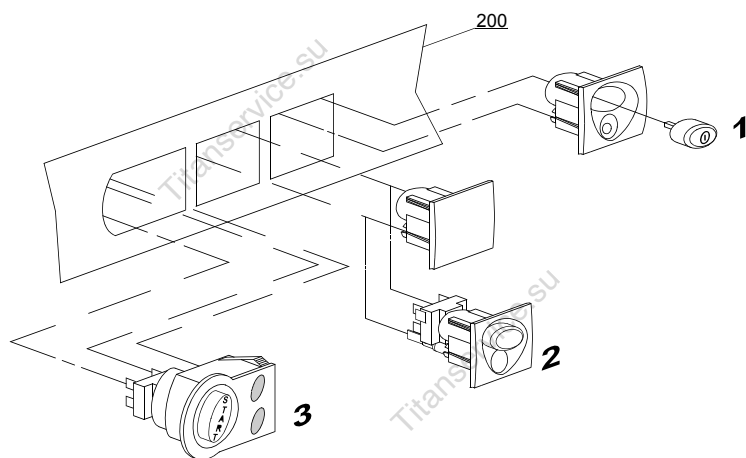
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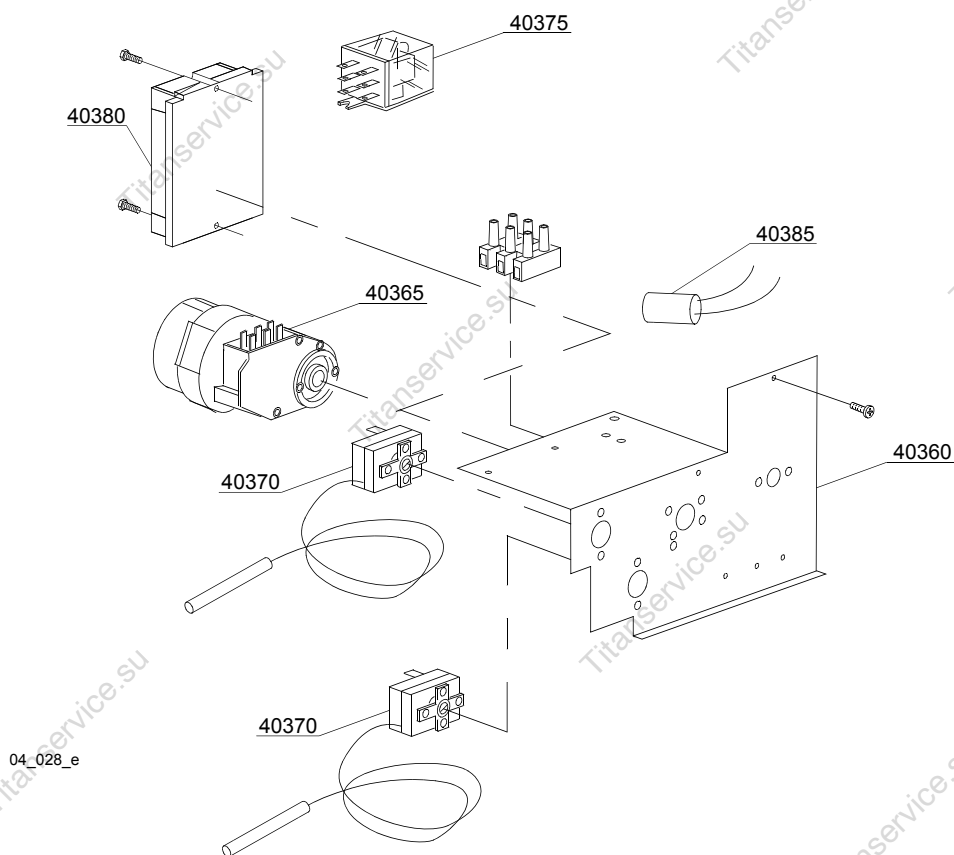
ID	P-code	SN from	SN to	Mod.	Acces.	Volt	Description
<b>Module:Control panel and switches</b>							
200	352928		-	em			Control panel
205	89347		-	em			Start prush button
210	89340		-	em			ON-OFF prush button
215	89343		-	em	dp		Drain pump prush button
220	89345		-	em	ws		Regeneration prush button
225	89344		-	em	cr		Hot/cold prush button
230	15813		-	em			16A unipolar switch
234	15812		-	em			16A bipolar switch
235	15800		-	em			16A bipolar switch
245	15811		-	em			16A bipolar switch
255	89301		-	em			Start push button support
260	89304		-	em			Push button support
265	89302		-	em	dp,ws,cr		Push button support
270	89303		-	em			Closed support
275	15826		-	em			Pilot light 220V
280	89331		-	em			OR O-ring (minimum 5 pieces)

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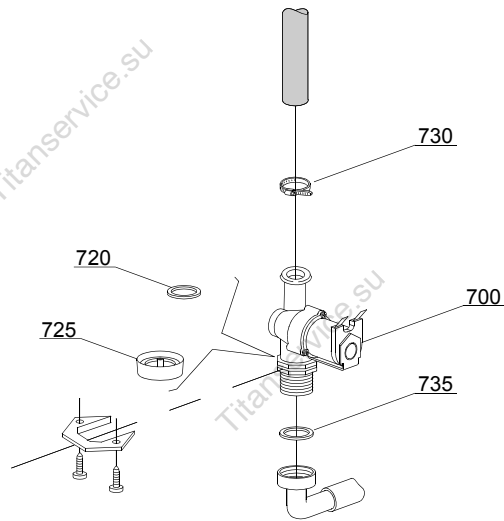
ID	P-code	SN from	SN to	Mod.	Acces.	Volt	Description
<b>Module:Electric control components</b>							
40360	371008		-	em			Electric component panel
40365	10708/L		-	em			120" timer - 230Vac 50Hz
40365	10708/T		-	em			Timer 120" with thermostop - 230Vac 50Hz
40365	10708/B		-	em			120" timer - 220Vac 60Hz
40370	10707/1		-	em			0-90°C thermostat
40375	15620		-	em			16A bipolar relay in deviation
40380	50553		-	em	ws,dp		3 times electronic timer with regeneration
40385	15146		-	em			Low noise filter

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A=3/N/PE~380-400V 50-60Hz, D=3/PE~200-210V 50-60Hz, F=2/PE~220-240V 50-60Hz, G=3/N/PE~415V 50-60Hz, H=3/PE~220-230V 50-60Hz, K=3/PE~380-400V 50-60Hz, L=3/PE~415V 50-60Hz, M=3/PE~440V 60Hz, P=1/N/PE~220-230V 50-60Hz, R=2/PE~220-240V 50-60Hz, U=1/N/PE~240V 50-60Hz, V=3/PE~240V 50-60Hz, W=1/N/PE~100-110V 50-60Hz



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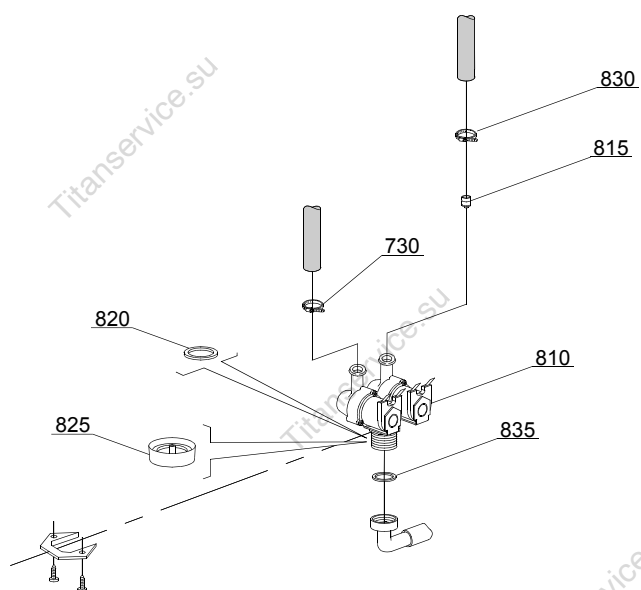
ID	P-code	SN from	SN to	Mod.	Acces.	Volt	Description
<b>Module:Solenoid valve group</b>							
700	10703		-	em			Single solenoid valve - 230Vac
720	N.C.		-	em			Pression reducing valve
725	15315		-	em			Red pression reducing valve support (minimum 2 pieces)
730	11807		-	em			12/22 clamp (minimum 3 pieces)
735	13307		-	em			3/4 gasket

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ID	P-code	SN from	SN to	Mod.	Acces.	Volt	Description
<b>Module:Solenoid valve group</b>							
810	15098		-	em	cr,ws		Double solenoid valve - Ø10 - 230Vac
815	15115		-	em	cr,ws		Green presson solenoid valve for regeneration (minimum 2 pieces)
820	N.C.		-	em	cr,ws		Pression reducing valve
825	15315		-	em	cr,ws		Red presson reducing valve support (minimum 2 pieces)
830	11807		-	em			12/22 clamp (minimum 3 pieces)
835	13307		-	em			3/4 gasket

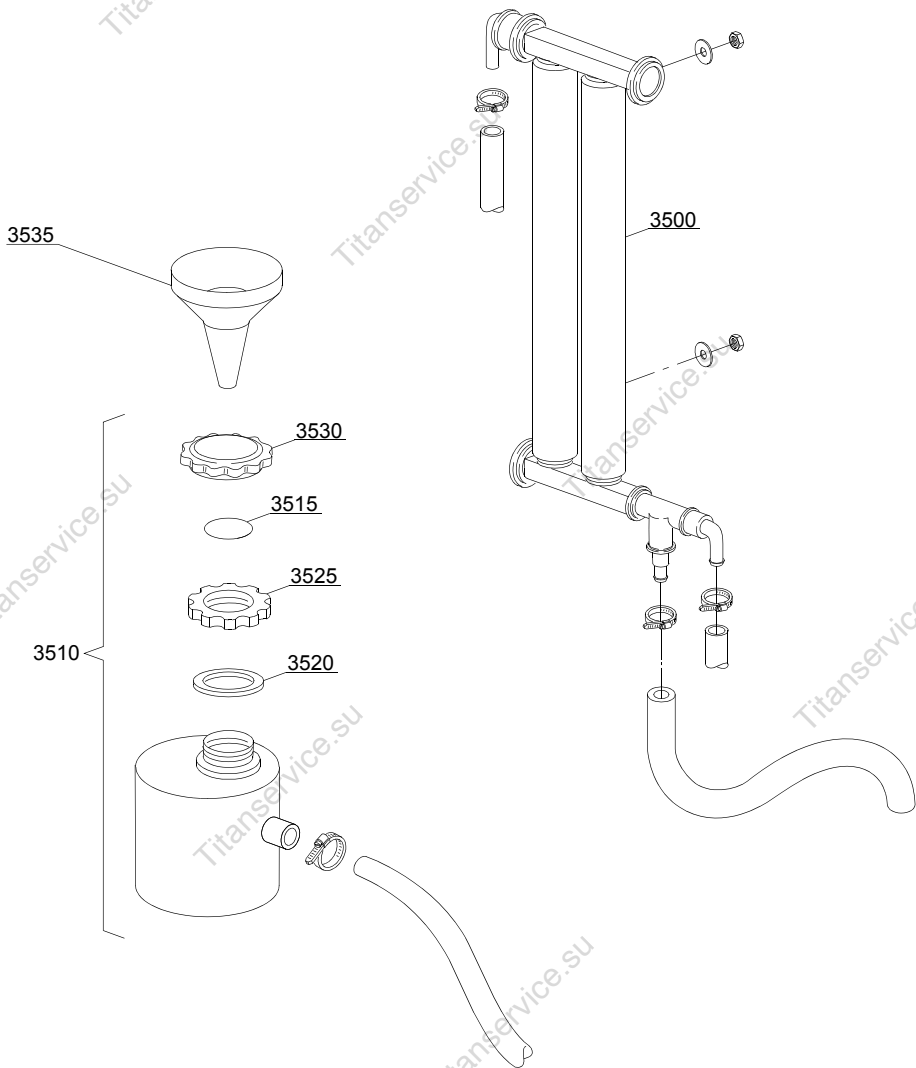
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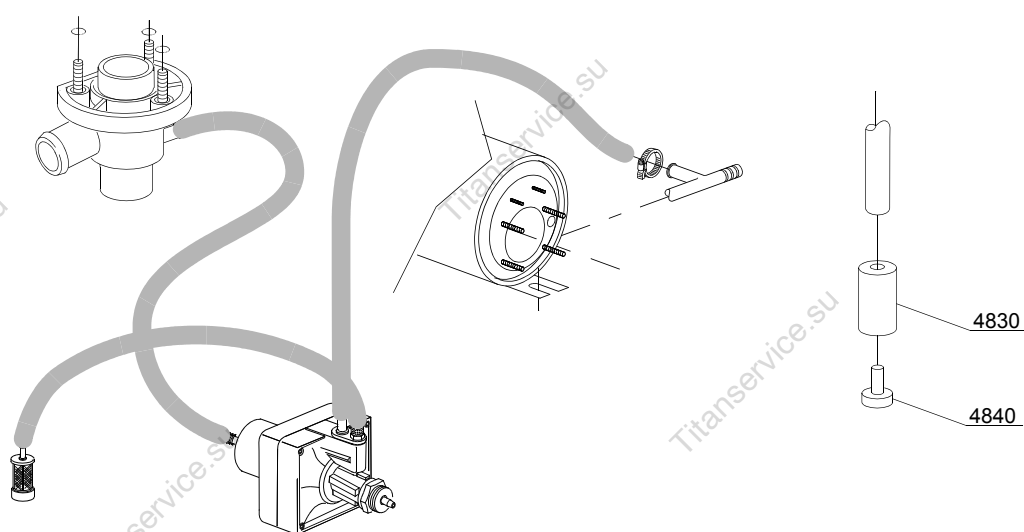
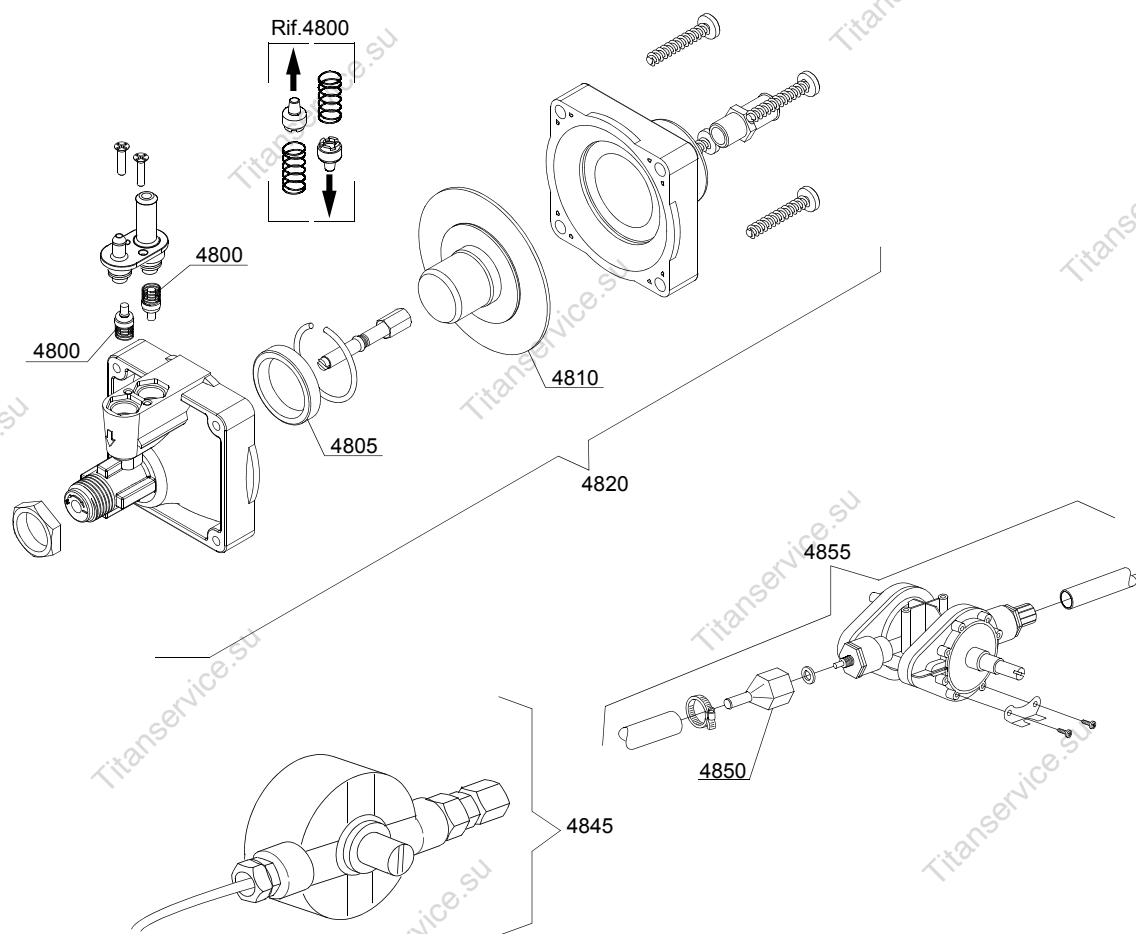
ID	P-code	SN from	SN to	Mod.	Acces.	Volt	Description
<b>Module: Water softner assembly</b>							
3500	16066/A		-		ws		2 elements water softner
3510	16065		-		ws		Salt container
3515	16067/A		-		ws		OR O-ring
3520	16067/B		-		ws		O-ring
3525	16067/C		-		ws		Ring nut
3530	16067/D		-		ws		Plug
3535	16082		-		ws		Funnel

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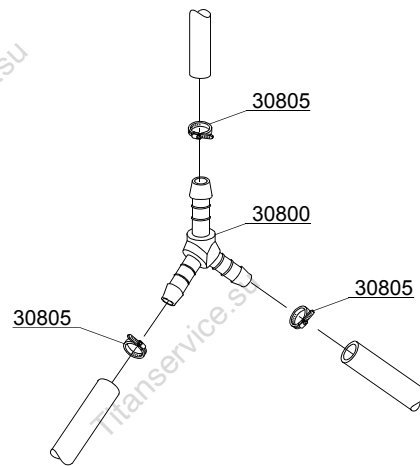
ID	P-code	SN from	SN to	Mod.	Acces.	Volt	Description
<b>Module: Rinse aid dispenser group</b>							
4800	10805		-	em			Tecnopro non return valve
4805	10806		-	em			Ø22 O-ring
4810	10807		-	em			Membrane
4820	10799		-	em			TECNO PRO rinse aid dispenser
4820	10599999		-	em			TECNO PRO rinse aid dispenser
4830	12525		-	em			Ballast
4840	15058		-	em			Small filter (minimum 3 pieces)
4845	10799		-	em			GERMAC rinse aid dispenser
4850	10798/B		-	em			Brass pipe fitting
4855	10798		-	em			Rinse aid dispenser

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## Spare parts

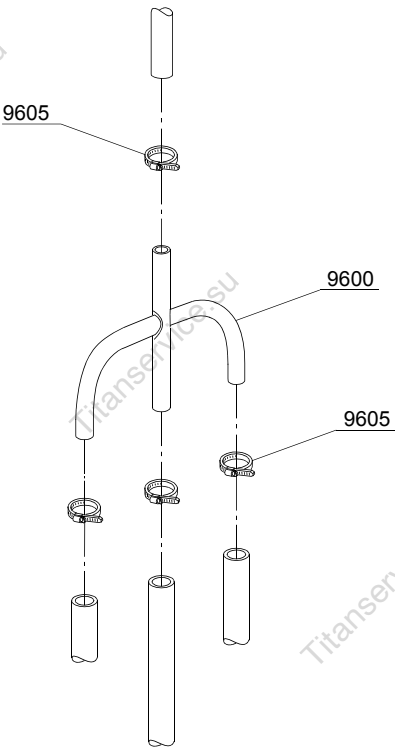
ID	P-code	SN from	SN to	Mod.	Acces.	Volt	Description
<b>Module:3 ways connection</b>							
30800	540090		-	em			Ø10 mm plastic 3 ways connection
30805	11807		-	em			12/22 clamp (minimum 3 pieces)

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## Spare parts

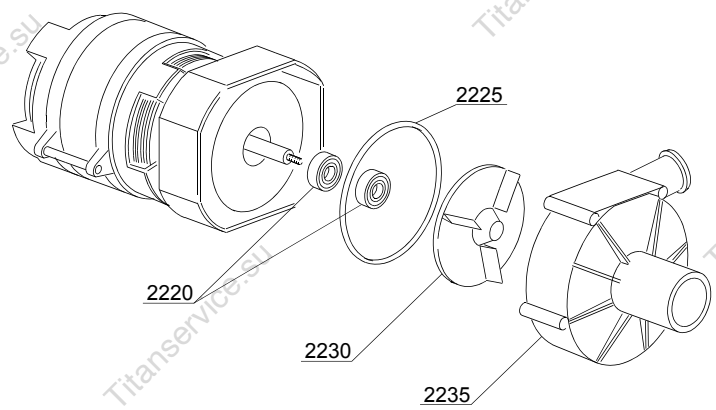
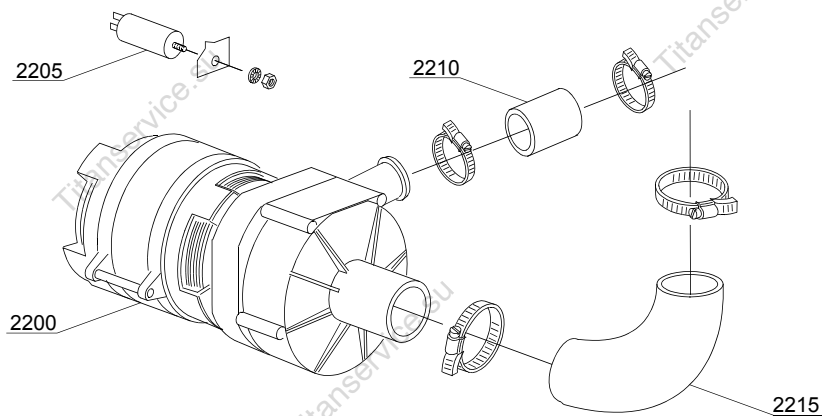
ID	P-code	SN from	SN to	Mod.	Acces.	Volt	Description
<b>Module:4 ways connection</b>							
9600	15151		-	em	cr		Ø10 mm 4 ways connection
9605	11807		-	em	cr		12/22 clamp (minimum 3 pieces)

em=ELECTROMECHANICAL SWITCHES, lw=LOWER WASHING

67U=67U

cr=COLD RINSE, ws=WATER SOFTNER, dd=DETERGENT DISPENSER, dp=DRAIN PUMP

A=3/N/PE~380-400V 50-60Hz, D=3/PE~200-210V 50-60Hz, F=2/PE~220-240V 50-60Hz, G=3/N/PE~415V 50-60Hz, H=3/PE~220-230V 50-60Hz, K=3/PE~380-400V 50-60Hz, L=3/PE~415V 50-60Hz, M=3/PE~440V 60Hz, P=1/N/PE~220-230V 50-60Hz, R=2/PE~220-240V 50-60Hz, U=1/N/PE~240V 50-60Hz, V=3/PE~240V 50-60Hz, W=1/N/PE~100-110V 50-60Hz



13\_002\_e

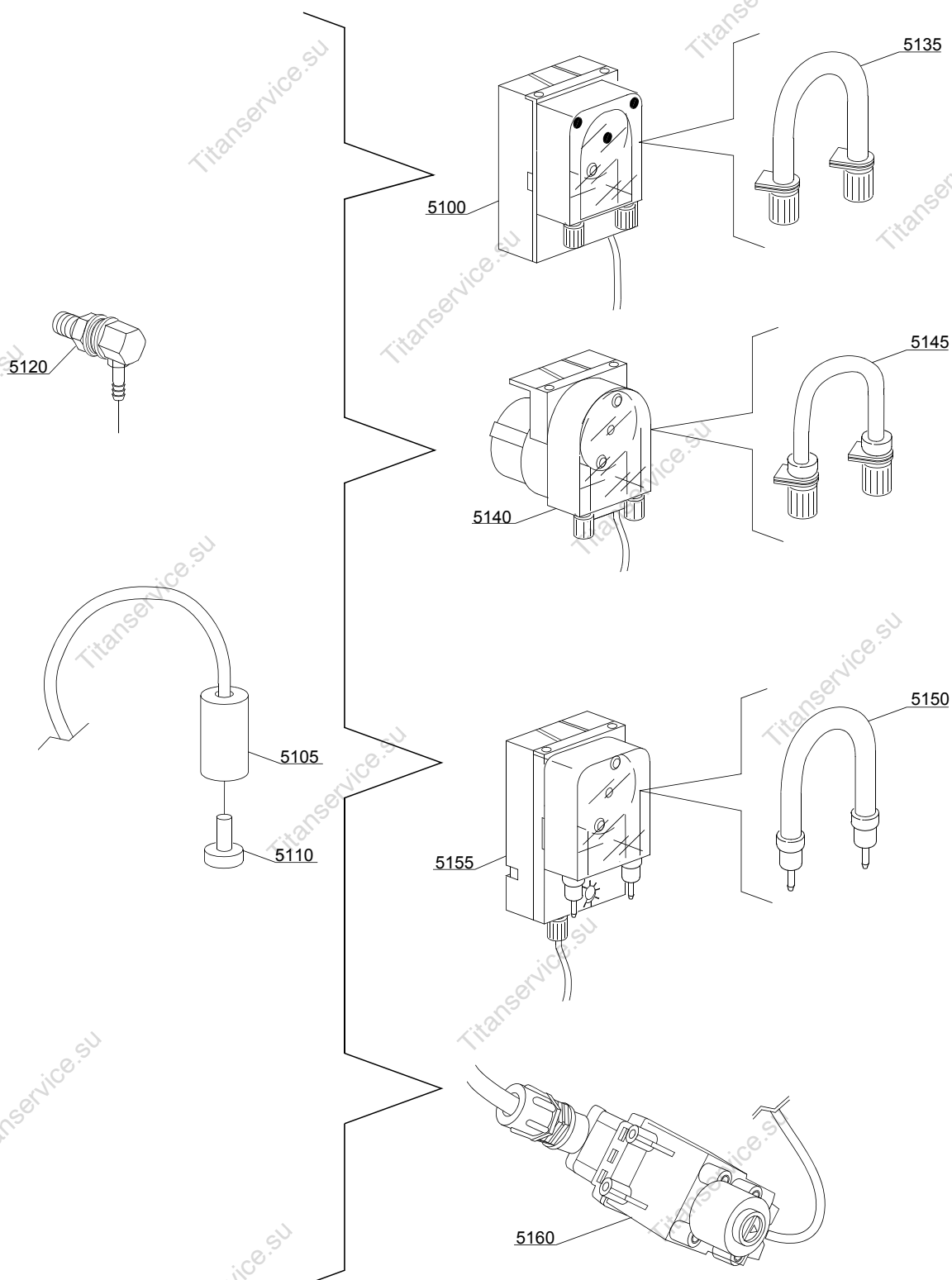
ID	P-code	SN from	SN to	Mod.	Acces.	Volt	Description
<b>Module: Wash pump</b>							
2200	10501/A		-	lw			0,10 Hp wash pump - 230V 50Hz
2200	10501/D		-	lw			0,10 Hp wash pump - 220VAc 60Hz
2205	10702		-	lw			5 uF condenser - 450V
2210	10718		-	lw			Pump pipe coupling
2215	18787		-	lw			Suction pipe coupling
2220	10505		-	lw			Pump shaft O-rings
2225	10506		-	lw			79,8x2,6 OR O-ring
2230	10504		-	lw			Pump rotor - d.63
2235	10502		-	lw			Scroll

em=ELECTROMECHANICAL SWITCHES, lw=LOWER WASHING

67U=67U

cr=COLD RINSE, ws=WATER SOFTNER, dd=DETERGENT DISPENSER, dp=DRAIN PUMP

A=3/N/PE~380-400V 50-60Hz, D=3/PE~200-210V 50-60Hz, F=2/PE~220-240V 50-60Hz, G=3/N/PE~415V 50-60Hz, H=3/PE~220-230V 50-60Hz, K=3/PE~380-400V 50-60Hz, L=3/PE~415V 50-60Hz, M=3/PE~440V 60Hz, P=1/N/PE~220-230V 50-60Hz, R=2/PE~220-240V 50-60Hz, U=1/N/PE~240V 50-60Hz, V=3/PE~240V 50-60Hz, W=1/N/PE~100-110V 50-60Hz



14\_004\_e

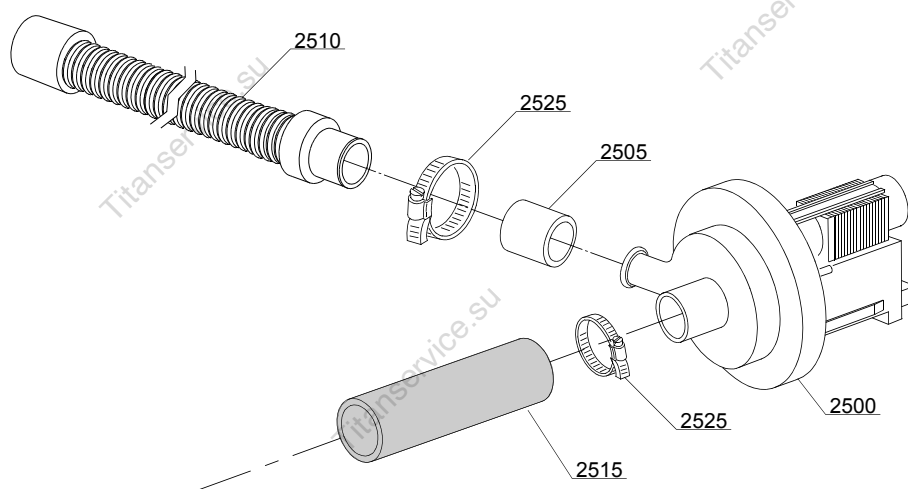
ID	P-code	SN from	SN to	Mod.	Acces.	Volt	Description
<b>Module:Dosing detergent group</b>							
5100	15985		-	em	dd		Seko detergent pump
5105	12525		-	em	dd		Ballast
5110	15058		-	em	dd		Small filter (minimum 3 pieces)
5120	15148		-	em	dd		Steel injector
5125	15159		-	em	dd		OR O-ring (minimum 2 pieces)
5130	10200205		-	em	dd		M12x1 stainless steel nut (minimum 2 pieces)
5135	15185		-	em	dd		Seko thermoplastic pipe
5140	15985		-	em	dd		Germac detergent pump
5145	15108/E		-	em	dd		Germac thermoplastic pipe
5150	15985/A			em	dd		Plas Cont thermoplastic pipe
5155	15985			em	dd		Plas Cont detergent pump
5160	15108/L			em	dd		Lang detergent pump

em=ELECTROMECHANICAL SWITCHES, lw=LOWER WASHING

67U=67U

cr=COLD RINSE, ws=WATER SOFTNER, dd=DETERGENT DISPENSER, dp=DRAIN PUMP

A=3/N/PE~380-400V 50-60Hz, D=3/PE~200-210V 50-60Hz, F=2/PE~220-240V 50-60Hz, G=3/N/PE~415V 50-60Hz, H=3/PE~220-230V 50-60Hz, K=3/PE~380-400V 50-60Hz, L=3/PE~415V 50-60Hz, M=3/PE~440V 60Hz, P=1/N/PE~220-230V 50-60Hz, R=2/PE~220-240V 50-60Hz, U=1/N/PE~240V 50-60Hz, V=3/PE~240V 50-60Hz, W=1/N/PE~100-110V 50-60Hz



15\_004ce



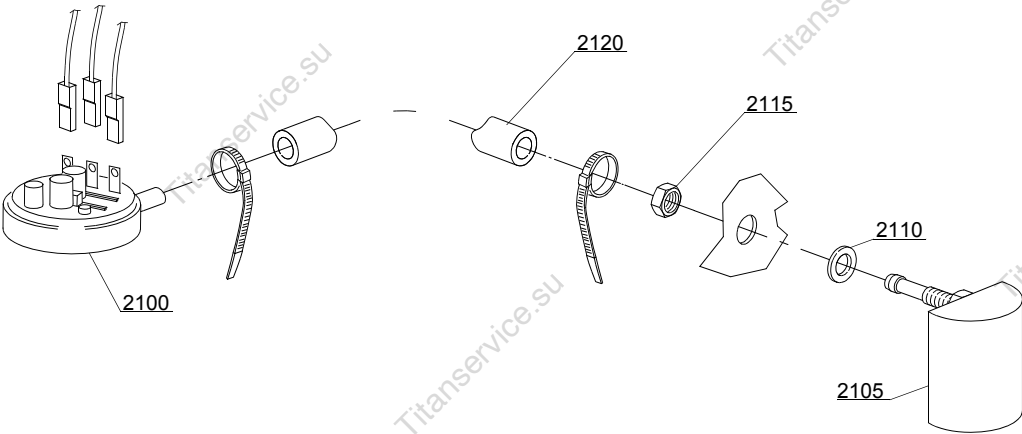
ID	P-code	SN from	SN to	Mod.	Acces.	Volt	Description
<b>Module: Drain pump group</b>							
2500	15101		-	em	dp		Drain pump 220/240V 50Hz
2505	15101/D		-	em	dp		Pipe fitting (minimum 3 pieces)
2510	10727		-	em	dp		Drain pipe
2515	10718		-	em	dp		Drain coude/pump connection pipe
2525	11806		-	em	dp		25/40 clamp (minimum 2 pieces)

em=ELECTROMECHANICAL SWITCHES, lw=LOWER WASHING

67U=67U

cr=COLD RINSE, ws=WATER SOFTNER, dd=DETERGENT DISPENSER, dp=DRAIN PUMP

A=3/N/PE~380-400V 50-60Hz, D=3/PE~200-210V 50-60Hz, F=2/PE~220-240V 50-60Hz, G=3/N/PE~415V 50-60Hz, H=3/PE~220-230V 50-60Hz, K=3/PE~380-400V 50-60Hz, L=3/PE~415V 50-60Hz, M=3/PE~440V 60Hz, P=1/N/PE~220-230V 50-60Hz, R=2/PE~220-240V 50-60Hz, U=1/N/PE~240V 50-60Hz, V=3/PE~240V 50-60Hz, W=1/N/PE~100-110V 50-60Hz



16\_001\_e

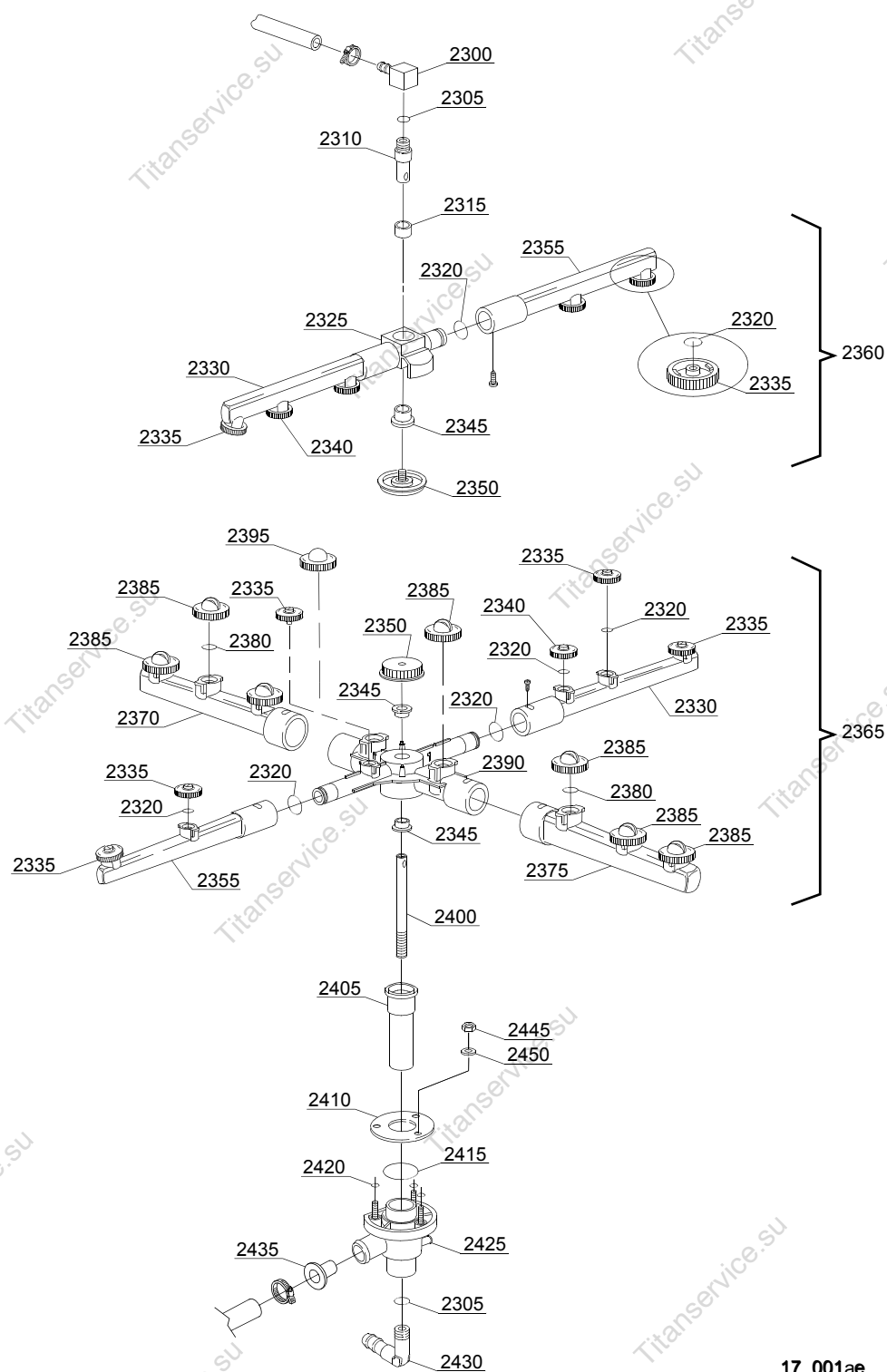
ID	P-code	SN from	SN to	Mod.	Acces.	Volt	Description
<b>Module:Pressure switch group with air trap</b>							
2100	10706/A		-	em			47-27 pressure switch
2105	135911/C	4020618	-	em			Grey air trap assembly
2110	13301		-	em			O-ring (minimum 10 pieces) - D14x8x1,5
2115	11702		-	em			M8 stainless steel nut (minimum 10 pieces)
2120	14508		-	em			4,5X9 EPDM rubber hose (minimum 2mt)

em=ELECTROMECHANICAL SWITCHES, lw=LOWER WASHING

67U=67U

cr=COLD RINSE, ws=WATER SOFTNER, dd=DETERGENT DISPENSER, dp=DRAIN PUMP

A=3/N/PE~380-400V 50-60Hz, D=3/PE~200-210V 50-60Hz, F=2/PE~220-240V 50-60Hz, G=3/N/PE~415V 50-60Hz, H=3/PE~220-230V 50-60Hz, K=3/PE~380-400V 50-60Hz, L=3/PE~415V 50-60Hz, M=3/PE~440V 60Hz, P=1/N/PE~220-230V 50-60Hz, R=2/PE~220-240V 50-60Hz, U=1/N/PE~240V 50-60Hz, V=3/PE~240V 50-60Hz, W=1/N/PE~100-110V 50-60Hz



17\_001ae

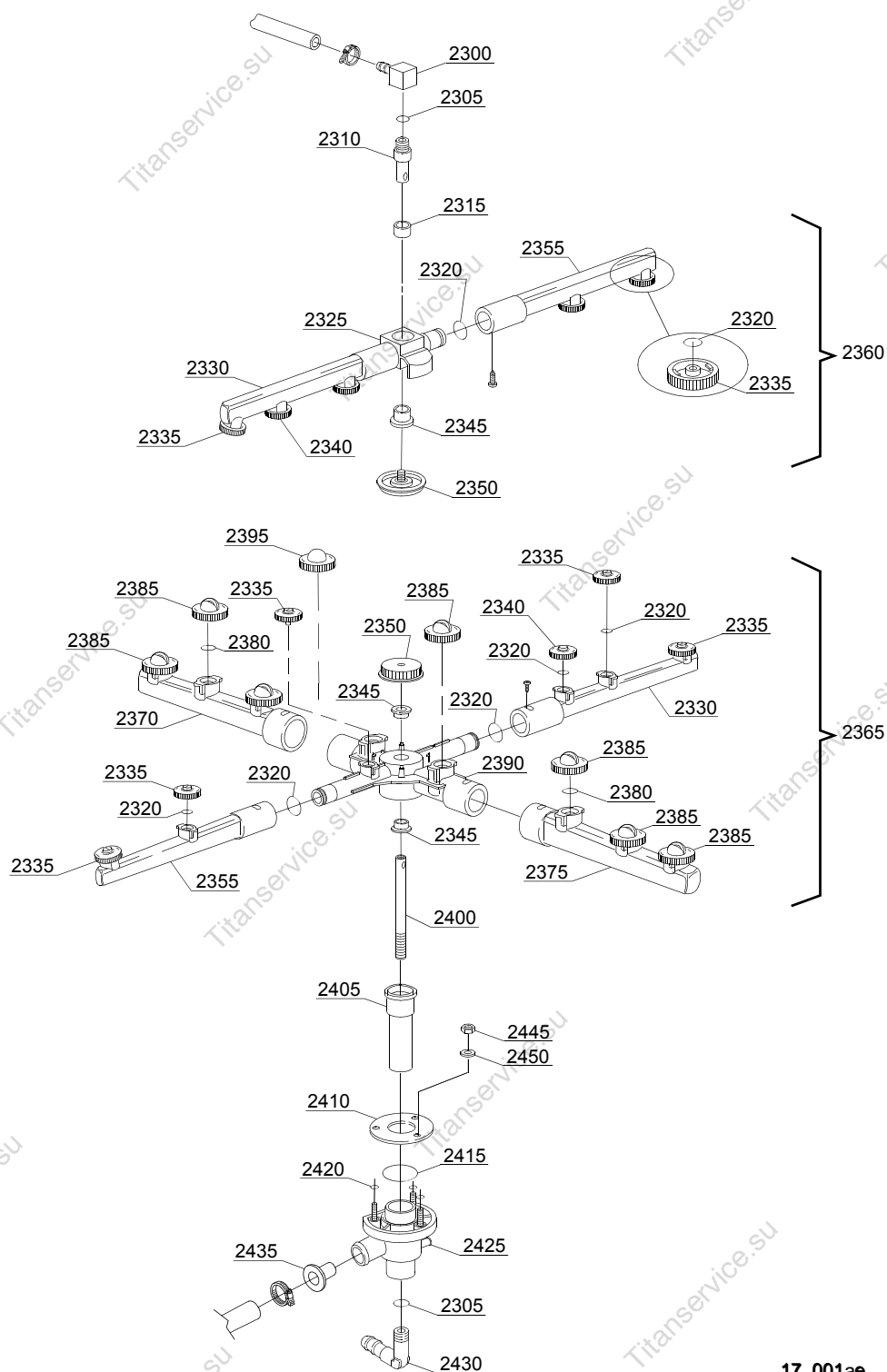
ID	P-code	SN from	SN to	Mod.	Acces.	Volt	Description
<b>Module:Turret group with rotating arms</b>							
2300	350402		-	lw			Top turret rinse hub
2305	13003		-	lw			OR 112 NBR O-ring (minimum 10 pieces)
2310	350401		-	lw			Upper axle rinse hub
2315	13320		-	lw			Sliding washer (minimum 3 pieces)
2320	13002		-	lw			OR R6 NBR O-ring (minimum 10 pieces)
2325	10359		-	lw			Top hub for rotor
2330	10361		-	lw			Left rinse pipe
2335	12537		-	lw			Opened head rinse nozzle (minimum 5 pieces)
2340	12538		-	lw			Closed head rinse nozzle (minimum 3 pieces)
2345	13319		-	lw			Sliding washer (minimum 2 pieces)
2350	10365		-	lw			Handle with insert
2355	10360		-	lw			Right rinse pipe
2360	10997		-	lw			Top rinse group
2365	10999		-	lw			Wash/rinse group
2370	10355		-	lw			Right wash pipe
2375	10356		-	lw			Left wash pipe
2380	13009		-	lw			OR 2050 NBR O-ring (minimum 40 pieces)
2385	10357		-	lw			Opened head wash nozzle (minimum 2 pieces)
2390	10364		-	lw			Wash rotor
2395	10358		-	lw			Closed head wash nozzle (minimum 3 pieces)
2400	19003		-	lw			10x1x190 lower stainless steel ground axle
2405	19250		-	lw			Bell-shape assembly with pipe coupling
2410	16038		-	lw			Ø60 stainless steel disk
2415	13000		-	lw			OR 3125 NBR O-ring (minimum 5 pieces)
2420	13001		-	lw			OR 104 NBR O-ring (minimum 10 pieces)
2425	10205/A		-	lw			Lower wash turret
2430	12030		-	lw			3/8M Ø12 elbow pipe fitting
2435	18249		-	lw			Flux reducer

em=ELECTROMECHANICAL SWITCHES, lw=LOWER WASHING

67U=67U

cr=COLD RINSE, ws=WATER SOFTNER, dd=DETERGENT DISPENSER, dp=DRAIN PUMP

A=3/N/PE~380-400V 50-60Hz, D=3/PE~200-210V 50-60Hz, F=2/PE~220-240V 50-60Hz, G=3/N/PE~415V 50-60Hz, H=3/PE~220-230V 50-60Hz, K=3/PE~380-400V 50-60Hz, L=3/PE~415V 50-60Hz, M=3/PE~440V 60Hz, P=1/N/PE~220-230V 50-60Hz, R=2/PE~220-240V 50-60Hz, U=1/N/PE~240V 50-60Hz, V=3/PE~240V 50-60Hz, W=1/N/PE~100-110V 50-60Hz



17\_001ae

## Spare parts

ID	P-code	SN from	SN to	Mod.	Acces.	Volt	Description
<b>Module:Turret group with rotating arms</b>							
2445	11704		-	lw			M5 stainless steel nut
2450	11608		-	lw			M5 stainless steel spring washer

em=ELECTROMECHANICAL SWITCHES, lw=LOWER WASHING

67U=67U

cr=COLD RINSE, ws=WATER SOFTNER, dd=DETERGENT DISPENSER, dp=DRAIN PUMP

A=3/N/PE~380-400V 50-60Hz, D=3/PE~200-210V 50-60Hz, F=2/PE~220-240V 50-60Hz, G=3/N/PE~415V 50-60Hz, H=3/PE~220-230V 50-60Hz, K=3/PE~380-400V 50-60Hz, L=3/PE~415V 50-60Hz, M=3/PE~440V 60Hz, P=1/N/PE~220-230V 50-60Hz, R=2/PE~220-240V 50-60Hz, U=1/N/PE~240V 50-60Hz, V=3/PE~240V 50-60Hz, W=1/N/PE~100-110V 50-60Hz