

Be Strong.™



 NAUTILUS Service Manual
TreadClimber®, Model TC916
Commercial Series

[illegible]

- READ ALL INSTRUCTIONS BEFORE USING THE MACHINE.**

IMPORTANT SAFETY PRECAUTIONS

- [illegible]

PRODUCT SPECIFICATIONS

NOTE: All dimensions in this document are given in millimeters (mm) unless otherwise specified. All dimensions are given in millimeters (mm) unless otherwise specified.

Use Weight Capacity

150 kg (330 lb)

Speed Range

0.1 to 0.9 m/s (0.2 to 2.2 ft/s)
0.1 to 0.9 m/s (0.2 to 2.2 ft/s)

Walk Distance (m/s)

0.1 to 0.9 m/s (0.2 to 2.2 ft/s)
0.1 to 0.9 m/s (0.2 to 2.2 ft/s)

Power Source (W)

1500 W (2.0 hp)
1500 W (2.0 hp)

Top Surface (mm)

1500 x 600 mm (59 x 24 in)
1500 x 600 mm (59 x 24 in)

Shipping Weight

150 kg (330 lb)
150 kg (330 lb)

Power Requirements

1500 W (2.0 hp)
1500 W (2.0 hp)

Warranty

1 Year (12 months)
1 Year (12 months)

Regulatory Approval

CE Marking
CE Marking

Product Information

1500 W (2.0 hp)
1500 W (2.0 hp)



Teoría General

- 4/22/2009

TO AVOID ELECTRICAL SHOCK OR

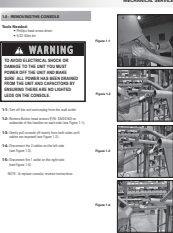
CAUTION TO THE UNIT YOU MUST
POWER OFF THE UNIT AND BE SURE
ALL POWER HAS BEEN DRAINED
FROM THE UNIT AND CAPACITORS BY
ENSURING THERE ARE NO LIGHTED
LED'S ON THE CONSOLE

12. Remove the front head screws (F16, E161132) on underside of the handle on each side (see Fig. 10).

5.3. Gently pull upwards off evenly from both sides as cables are engaged (see Figure 1.2).

NOTE: To replace correctly, transfer instructions

MECHANICAL SERVICE



MECHANICAL SERVICE

2.4. PREPARING WORK AREA

Work Required

1. Turn the engine on and run for 10 minutes.

2. Turn the engine off.

WARNING

1. Make sure the engine is properly secured.
2. Do not start the engine without the proper
safety precautions. The engine is a powerful
machine and can cause serious injury or
death if not properly secured.

3. Using the engine, turn the engine over and
run for 10 minutes.

4. Turn the engine off.

5. Turn the engine on and run for 10 minutes.

6. Turn the engine off.

7. Turn the engine on and run for 10 minutes.

8. Turn the engine off.

9. Turn the engine on and run for 10 minutes.

10. Turn the engine off.

Figure 2-1



Figure 2-2



Figure 2-3



MECHANICAL SERVICE

Parts Address:

- Front Box Cover P/N 2547592
- Right Fan Cover P/N 2547593
- Right Side Cover P/N 2547595
- VSD Assembly T2016 P/N 2547598
- Fan Washer 1/8" x 1/8" x 1/2" P/N 2547602
- Screws, 260-20 x 75, 160 Black-60 P/N 2547596



WARNING

To avoid the risk of electrocution, shock or mechanical injury, before performing this maintenance, ensure that the machine is unplugged.



MEDICAL SERVICE

- 4.6. Inspect the area of the ship's engine room (ER) and the area of the ship's hull for any signs of damage or leakage.
- 4.7. Conduct a visual inspection of the ship's hull and the ship's engine room for any signs of damage or leakage.
- 4.8. Inspect the ship's hull and the ship's engine room for any signs of damage or leakage.
- 4.9. Inspect the ship's hull and the ship's engine room for any signs of damage or leakage.



Tools Needed:

- 1/8" Hex bit
- 1/16" Allen bit
- 20 inch Torx

WARNING

TO AVOID ELECTRICAL SHOCK OR DAMAGE TO THE UNIT YOU MUST POWER OFF THE UNIT AND MAKE SURE ALL POWER HAS BEEN OBTAINED FROM THE UNIT AND CAPACITORS BY EXCHANGING THERE ARE NO LIGHTS USED ON THE CONTROL.



Bitte die folgende Anleitung für Ihren Fall
lesen.
8000 Die Bauteile werden für den Transport
zusammengepackt und müssen für den Transport
zerlegt werden.
8100 Die Bauteile werden für den Transport
zusammengepackt und müssen für den Transport
zerlegt werden.
8200 Die Bauteile werden für den Transport
zusammengepackt und müssen für den Transport
zerlegt werden.
8300 Die Bauteile werden für den Transport
zusammengepackt und müssen für den Transport
zerlegt werden.
8400 Die Bauteile werden für den Transport
zusammengepackt und müssen für den Transport
zerlegt werden.

MECHANICAL SERVICE



Figure 80



Figure 81



Figure 82



Figure 83



Figure 84

MECHANICAL SAFETY

16. 1602 CHASSIS AND SUSPENSION

16.01 Front

- 16.01.01 Front suspension
- 16.01.02 Front suspension
- 16.01.03 Front suspension

16.02 Rear

- 16.02.01 Rear suspension
- 16.02.02 Rear suspension
- 16.02.03 Rear suspension

16.03 Steering

- 16.03.01 Steering system
- 16.03.02 Steering system
- 16.03.03 Steering system

16.04 Brakes

- 16.04.01 Braking system
- 16.04.02 Braking system
- 16.04.03 Braking system

16.05 Axles

- 16.05.01 Axle assembly
- 16.05.02 Axle assembly
- 16.05.03 Axle assembly

16.06 Suspension

- 16.06.01 Suspension system
- 16.06.02 Suspension system
- 16.06.03 Suspension system

16.07 Chassis

- 16.07.01 Chassis frame
- 16.07.02 Chassis frame
- 16.07.03 Chassis frame



MECHANICAL SERVICE

Tools Needed: 1/16" & 3/32" Hexwrench or Torx
2/8 Allen Torx
1/8, 5/16" & 3/16 Allen Hexwrench
Phillips screwdriver
cassette/turntable & 2 screws (1/16" and 3/16")

- [illegible]

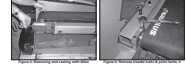


WARNING

MECHANICAL SERVICE



Figure 2: Bare coast and new ship removed.



Newbury TravelGlobe® Model TC106 Service Manual

- Ex. 4** If the problem is not in the cylinder, then check bar charts at the following locations and, if necessary,



- connecting the cylinder to the coupler and coupler to the rest of the gas. The is should be compared to 35 MPa (500 bar) in Figure 4.7.

MECHANICAL SERVICES

Best practices in design and construction of mechanical services are discussed in this section.

ME 1.1 Mechanical services are discussed in this section.

ME 1.2 Mechanical services are discussed in this section.

ME 1.3 Mechanical services are discussed in this section.

ME 1.4 Mechanical services are discussed in this section.

ME 1.5 Mechanical services are discussed in this section.

ME 1.6 Mechanical services are discussed in this section.

ME 1.7 Mechanical services are discussed in this section.

ME 1.8 Mechanical services are discussed in this section.

ME 1.9 Mechanical services are discussed in this section.

ME 1.10 Mechanical services are discussed in this section.



MECHANICAL SERVICE

Installation: This unit is designed for wall mounting. It must be installed in a well-ventilated area. Do not install in a location where it will be exposed to direct sunlight or rain.

CAUTION: Do not touch the fan blades or the internal components of the unit. The fan blades are sharp and can cause injury. The internal components are hot and can cause burns.

RECOMMENDED LUBRICANT: Use only the recommended lubricant for this unit. Do not use any other lubricant as it may damage the unit.

REPAIR: Do not attempt to repair the unit yourself. Contact a qualified technician for repair. The unit is under warranty and repairs should be performed by an authorized service center.

REPLACEMENT PARTS: Replacement parts are available for this unit. Contact your local distributor or the manufacturer for more information.



Figure 1

MECHANICAL SERVICE

DURING THE INSPECTION PERIOD, THE MECHANICAL SERVICE TEAM WILL BE AVAILABLE TO ASSIST WITH THE FOLLOWING:

M1-1 Check the mechanical service team's availability to assist with the following:

M2-1 Check the mechanical service team's availability to assist with the following:

M3-1 Check the mechanical service team's availability to assist with the following:

M4-1 Check the mechanical service team's availability to assist with the following:

M5-1 Check the mechanical service team's availability to assist with the following:

M6-1 Check the mechanical service team's availability to assist with the following:

M7-1 Check the mechanical service team's availability to assist with the following:

M8-1 Check the mechanical service team's availability to assist with the following:



MECHANICAL SERVICE

Easy to use, easy to install, easy to maintain. The new 1000 Series is the most powerful and reliable of all the 1000 Series units.

1000 Series The new 1000 Series is the most powerful and reliable of all the 1000 Series units. It is the most powerful and reliable of all the 1000 Series units.

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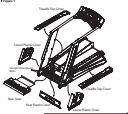


MECHANICAL SERVICE

14-6 : REPLACEMENT OF PIVOT COVER

[illegible]

See Figure 1 for Steps 10-1 thru 10-6.



MECHANICAL SERVICE

12.8 Connect the power cable to an earthed surface for safety.

CAUTION
Do not connect the power cable to a power source until the power cable is connected to the power source. Do not connect the power cable to a power source until the power cable is connected to the power source.



CAUTION
Do not connect the power cable to a power source until the power cable is connected to the power source. Do not connect the power cable to a power source until the power cable is connected to the power source.

12.9 Connect the power cable to the power source.



12.10 Connect the power cable to the power source.

MECHANICAL SERVICE

11.8 REPLACEMENT OF HYDRAULIC CYLINDERS



MECHANICAL SERVICE

- [illegible]



CARDIO CONSOLE CODES

- Press the **OFF** (power) and **any** **▲** (arrow) keys, then press the **[F6/F7]** key once to enter this mode. Pressing **▲** or **▼** (arrow) a back/skip through the solutions. Pressing **[F6/F7]** then selects that item. Enter values then press the **[F6/F7]** key again to store the value.
- Once in a sample values mode, pressing **▲** or **▼** (arrow) a back/skip through the solution, pressing **[F6/F7]** then selects that item. Pressing **[C/LR]** with any of the special access modes.

NOTE: JOURNAL.COUNT MAY BE APPLIED IN THE
CONVERT COUNT BUT THIS DOES NOT APPLY
TO THE TRANSCOUNT FUNCTIONS.

[illegible][illegible]

Wiederholungsfragen (Lernzettel)

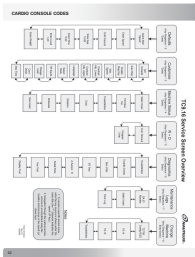
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ORDERING REPLACEMENT PARTS:
In the U.S., call 800-433-6339. Outside the U.S., call +31-20-462-1717. Authorized Service representatives will assist you with our specific service requirements. Please be sure to notify them of any accessories. Items will be shipped by air.

WARRANTY NOTES (FOR UNITS IN THE USA ONLY)

- 1. Part covered under standard 3 year parts warranty for replacement.
- 2. Part covered under standard 1 year wear item warranty for replacement.
- 3. Part covered under standard 11 year frame and AC motor warranty.

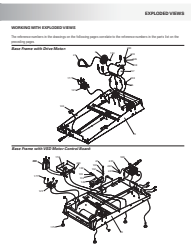
International warranty coverage may vary. Contact an International office listed in the Important Contact Number section of this manual for information.

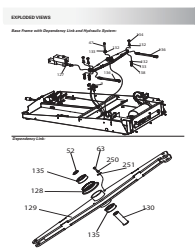
Newbury TravelCenters, Model TC446 Service Manual 2

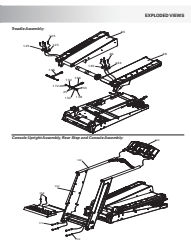
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PARTS LIST			
Part #	Component	Point #	Description
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3	1000000	1000000	1000000
4	1000000	1000000	1000000
5	1000000	1000000	1000000
6	1000000	1000000	1000000
7	1000000	1000000	1000000
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PARTS LIST				
ITEM	QTY	DESCRIPTION	UNIT	PRICE
1	1	Engine	EA	100.00
2	1	Transmission	EA	50.00
3	1	Drive Shaft	EA	20.00
4	1	Front Suspension	EA	30.00
5	1	Rear Suspension	EA	30.00
6	1	Brake System	EA	20.00
7	1	Steering System	EA	20.00
8	1	Exhaust System	EA	10.00
9	1	Lighting System	EA	10.00
10	1	Interior Trim	EA	10.00
11	1	Exterior Trim	EA	10.00
12	1	Wheels	EA	10.00
13	1	Tools	EA	10.00
14	1	Fluids	EA	10.00
15	1	Filters	EA	10.00
16	1	Belts	EA	10.00
17	1	Wax	EA	10.00
18	1	Car Wash	EA	10.00
19	1	Car Wash	EA	10.00
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95	1	Car Wash	EA	10.00
96	1	Car Wash	EA	10.00
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99	1	Car Wash	EA	10.00
100	1	Car Wash	EA	10.00





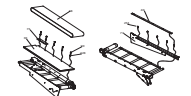


EXPLODED VIEW

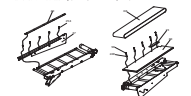


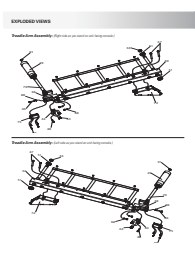
EXPLoded VIEWS

Head, Neck and Tail Assembly (Illustration of exploded views)



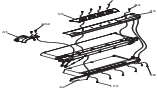
Head, Neck and Tail Assembly (Illustration of exploded views)





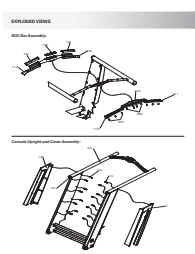
EXPLODED VIEWS

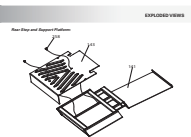
Exploded view: the perforator (for the perforator)



Exploded view: the perforator (for the perforator)







ELECTRONIC TROUBLESHOOTING SUMMARY									
DATE	TIME	LOCATION	DESCRIPTION	INITIALS	STATUS	REMARKS	DATE	TIME	LOCATION
10/10/2023	14:30	Room 101	Power supply unit failure	John Doe	Completed	Replaced faulty PSU with new unit.	10/10/2023	15:00	Room 101
10/10/2023	15:15	Room 101	Network connectivity issues	John Doe	In Progress	Restarted network switch.	10/10/2023	15:30	Room 101
10/10/2023	15:45	Room 101	Software update failed	John Doe	Pending	Rollback to previous version.	10/10/2023	16:00	Room 101
10/10/2023	16:15	Room 101	Hardware component failure	John Doe	Completed	Replaced faulty RAM module.	10/10/2023	16:30	Room 101
10/10/2023	16:45	Room 101	System crash	John Doe	In Progress	Investigating cause.	10/10/2023	17:00	Room 101
10/10/2023	17:15	Room 101	Peripheral device not working	John Doe	Pending	Check connections.	10/10/2023	17:30	Room 101
10/10/2023	17:45	Room 101	Security update required	John Doe	Pending	Plan update time.	10/10/2023	18:00	Room 101
10/10/2023	18:15	Room 101	Backup failed	John Doe	Pending	Verify backup process.	10/10/2023	18:30	Room 101
10/10/2023	18:45	Room 101	System maintenance	John Doe	Completed	General system check.	10/10/2023	19:00	Room 101
10/10/2023	19:15	Room 101	Hardware upgrade	John Doe	In Progress	Installing new SSD.	10/10/2023	19:30	Room 101
10/10/2023	19:45	Room 101	Software installation	John Doe	Pending	Waiting for download.	10/10/2023	20:00	Room 101
10/10/2023	20:15	Room 101	System reboot	John Doe	Completed	Successful reboot.	10/10/2023	20:30	Room 101
10/10/2023	20:45	Room 101	Final check	John Doe	Completed	All systems operational.	10/10/2023	21:00	Room 101

[illegible]

ELECTRONIC TECHNOLOGY/ENGINEERING SUMMARY

DATE	DESCRIPTION	REMARKS	STATUS	DATE
10/10/2023	Completed the design of the new product line.	Design is complete and ready for production.	Completed	10/10/2023
11/10/2023	Completed the design of the new product line.	Design is complete and ready for production.	Completed	11/10/2023
12/10/2023	Completed the design of the new product line.	Design is complete and ready for production.	Completed	12/10/2023
13/10/2023	Completed the design of the new product line.	Design is complete and ready for production.	Completed	13/10/2023
14/10/2023	Completed the design of the new product line.	Design is complete and ready for production.	Completed	14/10/2023
15/10/2023	Completed the design of the new product line.	Design is complete and ready for production.	Completed	15/10/2023
16/10/2023	Completed the design of the new product line.	Design is complete and ready for production.	Completed	16/10/2023
17/10/2023	Completed the design of the new product line.	Design is complete and ready for production.	Completed	17/10/2023
18/10/2023	Completed the design of the new product line.	Design is complete and ready for production.	Completed	18/10/2023
19/10/2023	Completed the design of the new product line.	Design is complete and ready for production.	Completed	19/10/2023
20/10/2023	Completed the design of the new product line.	Design is complete and ready for production.	Completed	20/10/2023
21/10/2023	Completed the design of the new product line.	Design is complete and ready for production.	Completed	21/10/2023
22/10/2023	Completed the design of the new product line.	Design is complete and ready for production.	Completed	22/10/2023
23/10/2023	Completed the design of the new product line.	Design is complete and ready for production.	Completed	23/10/2023
24/10/2023	Completed the design of the new product line.	Design is complete and ready for production.	Completed	24/10/2023
25/10/2023	Completed the design of the new product line.	Design is complete and ready for production.	Completed	25/10/2023
26/10/2023	Completed the design of the new product line.	Design is complete and ready for production.	Completed	26/10/2023
27/10/2023	Completed the design of the new product line.	Design is complete and ready for production.	Completed	27/10/2023
28/10/2023	Completed the design of the new product line.	Design is complete and ready for production.	Completed	28/10/2023
29/10/2023	Completed the design of the new product line.	Design is complete and ready for production.	Completed	29/10/2023
30/10/2023	Completed the design of the new product line.	Design is complete and ready for production.	Completed	30/10/2023
31/10/2023	Completed the design of the new product line.	Design is complete and ready for production.	Completed	31/10/2023

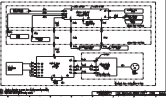
ELECTRONIC TECHNOLOGY INSTRUCTIONAL SUMMARY					
Unit	Topic	Objectives	Activities	Resources	Assessment
Unit 1	Introduction to Electronics	1. Understand the basic components of an electronic circuit. 2. Identify the function of various electronic components.	Lecture, Demonstration, Group Discussion	Textbook, Circuit Board, Components	Quiz, Assignment
Unit 2	Resistors and Ohm's Law	1. Calculate the resistance of a resistor. 2. Apply Ohm's Law to calculate current and voltage.	Lecture, Calculation, Practical Application	Textbook, Resistor, Multimeter	Quiz, Assignment
Unit 3	Capacitors and Inductors	1. Calculate the capacitance of a capacitor. 2. Understand the function of an inductor.	Lecture, Calculation, Practical Application	Textbook, Capacitor, Inductor	Quiz, Assignment
Unit 4	Diodes and Transistors	1. Identify the function of a diode. 2. Understand the operation of a transistor.	Lecture, Demonstration, Group Discussion	Textbook, Diode, Transistor	Quiz, Assignment
Unit 5	Integrated Circuits	1. Identify the function of an integrated circuit. 2. Understand the operation of a microcontroller.	Lecture, Demonstration, Group Discussion	Textbook, IC, Microcontroller	Quiz, Assignment

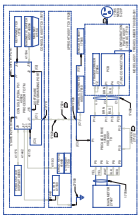
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Figure 1: Schematic diagram of the experimental setup.



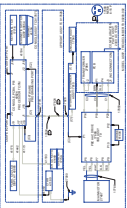
Figure 2: Schematic diagram of the experimental setup.



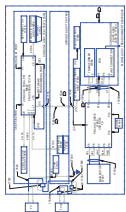


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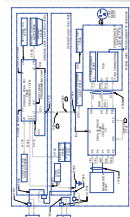


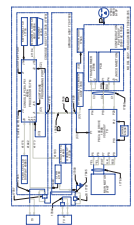


WIRTSCHAFTS UNIVERSITÄT WIEN



WIRING SCHEMATIC FOR ONE HOMEPLATE UNIT





WIRING SCHEMATIC, POWER SUPPLY WITH TV

IMPORTANT CONTACT NUMBERS

If you need assistance, please have both the serial number of your machine and the date of purchase available when you contact the appropriate function office location.

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 Network Representation Office
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