

# DETROIT<sup>®</sup>

## DEMOLITION HAMMER

PART NO: DETDDH1700



TO PREVENT SERIOUS INJURY, READ  
AND UNDERSTAND ALL WARNINGS  
AND INSTRUCTIONS BEFORE USE.

## OPERATING INSTRUCTIONS

# CONTENTS


SPECIFICATIONS .....	2
WARNING SYMBOLS .....	3
ADDITIONAL SAFETY REGULATIONS .....	7
OPERATING INSTRUCTIONS/DRAWINGS .....	8
CHANGING THE TOOL .....	8
MAINTENANCE .....	10
PARTS BREAKDOWN LIST .....	12
NOTES .....	15
WARRANTY INFORMATION .....	16

## SPECIFICATIONS









<b>Model</b>	<b>DETDDH1700</b>
Rated voltage	230-240 V~
Rated frequency	50Hz
Rated input	1700W
No load speed	1500/min
Protection Class	II
Impact energy	50J
Declaration of the noise emission values according to EN 60745-1 and EN 60745-2-6	
Noise measurements	
A-weighted sound pressure level: $L_{pA}$	90.8 dB(A)
Uncertainty $K_{pA}$	3 dB
A-weighted sound power level: $L_{WA}$	103.8 dB(A)
Uncertainty $K_{WA}$	3 dB
Declaration of the vibration emission according to EN 60745-1, EN 60745-2-6	
Main handle	
Chiselling, ah,CH	17.97m/s <sup>2</sup>
Chiselling, ah,NL	12.02m/s <sup>2</sup>
Chiselling, ah,Cheq	16.95m/s <sup>2</sup>
Auxiliary handle	
Chiselling, ah,CH	14.41m/s <sup>2</sup>
Chiselling, ah,NL	10.62m/s <sup>2</sup>
Chiselling, ah,Cheq	13.73m/s <sup>2</sup>

**Note:**

The declared vibration total value has been measured in accordance with a standard test method and may be used for comparing one tool with another; The declared vibration total value may also be used in a preliminary assessment of exposure.

 <b>WARNING</b>	<b>The vibration emission during actual use of the power tool can differ from the declared total value depending on the ways in which the tool is used".</b>
	<b>Avoid vibration risk suggestion:</b> 1) wear glove during operation; 2) limit operating time and shorten trigger time.

## WARNING SYMBOLS

 Read the instructions	 Double insulation
 Wear gloves	 Wear a face mask
 Wear safety footwear	 Wear eye protection
 Wear ear protection	 Regulatory Compliance Mark 5490

**Intended use:** This tool is designed to break, scale, drive...concrete or similar materials. For outdoor use only. Do not use in rain.

## CHECK THE DELIVERY PARTS

Carefully remove the tool from its packaging and check if the following parts are complete:

- 1 x Demolition hammer
- 1 x Auxiliary handle
- 2 x Point and flat chisels (30x390mm)
- 1 x Grease cup

If any parts are missing or damaged, please contact the place of purchase.

# GENERAL SAFETY INSTRUCTIONS



## WARNING

**Read all safety warnings and all instructions.** Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

**Save all warnings and instructions for future reference.** The term “power tool” in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

### 1. Work area safety

- a) **Keep work area clean and well lit.** Cluttered and dark areas invite accidents.
- b) **Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.** Power tools create sparks which may ignite the dust or fumes.
- c) **Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.

### 2. Electrical safety

- a) **Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools.** Unmodified plugs and matching outlets will reduce risk of electric shock.
- b) **Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges and refrigerators.** There is an increased risk of electric shock if your body is earthed or grounded.
- c) **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
- d) **Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts.** Damaged or entangled cords increase the risk of electric shock.
- e) **When operating a power tool outdoors, use an extension cord suitable for outdoor use.** Use of a cord suitable for outdoor use reduces the risk of electric shock.
- f) **If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply.** Use of an RCD reduces the risk of electric shock.

### 3. Personal safety

- a) **Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the**

**influence of drugs, alcohol or medication.** *A moment of inattention while operating power tools may result in serious personal injury.*

- b) **Use personal protective equipment. Always wear eye protection.** *Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.*
- c) **Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool.** *Carrying power tools with your finger on the switch or energizing power tools that have the switch on invites accidents.*
- d) **Remove any adjusting key or wrench before turning the power tool on.** *A wrench or a key left attached to a rotating part of the power tool may result in personal injury.*
- e) **Do not overreach. Keep proper footing and balance at all times.** *This enables better control of the power tool in unexpected situations.*
- f) **Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from moving parts.** *Loose clothes, jewellery or long hair can be caught in moving parts.*
- g) **If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** *Use of dust collection can reduce dust-related hazards.*

#### **4. Power tool use and care**

- a) **Do not force the power tool. Use the correct power tool for your application.** *The correct power tool will do the job better and safer at the rate for which it was designed.*
- b) **Do not use the power tool if the switch does not turn it on and off.** *Any power tool that cannot be controlled with the switch is dangerous and must be repaired.*
- c) **Disconnect the plug from the power source and/or the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools.** *Such preventive safety measures reduce the risk of starting the power tool accidentally.*
- d) **Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.** *Power tools are dangerous in the hands of untrained users.*
- e) **Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use.** *Many accidents are caused by poorly maintained power tools.*

- f) **Keep cutting tools sharp and clean.** *Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.*
- g) **Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed.** *Use of the power tool for operations different from those intended could result in a hazardous situation.*

## 5. Service

**Have your power tool serviced by a qualified repair person using only identical replacement parts.** *This will ensure that the safety of the power tool is maintained.*

### Hammer Safety Warnings

- **Wear ear protectors with impact drills.** Exposure to noise can cause hearing loss.
- **Use auxiliary handles supplied with the tool.** Loss of control can cause personal injury.
- **Hold power tool by insulated gripping surfaces, when performing an operation where the cutting accessory may contact hidden wiring or its own cord.** Cutting accessory contacting a “live” wire may make exposed metal parts of the power tool “live” and could give the operator an electric shock.
- **Wear a dust mask.** When working on wood and other materials can dust injurious to health.

# ADDITIONAL SAFETY REGULATIONS

Even when the tool is used as prescribed it is not possible to eliminate all residual risk factors. The following hazards may arise in connection with the tool's construction and design:

1. Damage to lungs if an effective dust mask is not worn.
2. Damage to hearing if effective hearing protection is not worn.
3. Health defects resulting from vibration emission if the power tool is being used over longer period of time or not adequately managed and properly maintained.



## **WARNING**

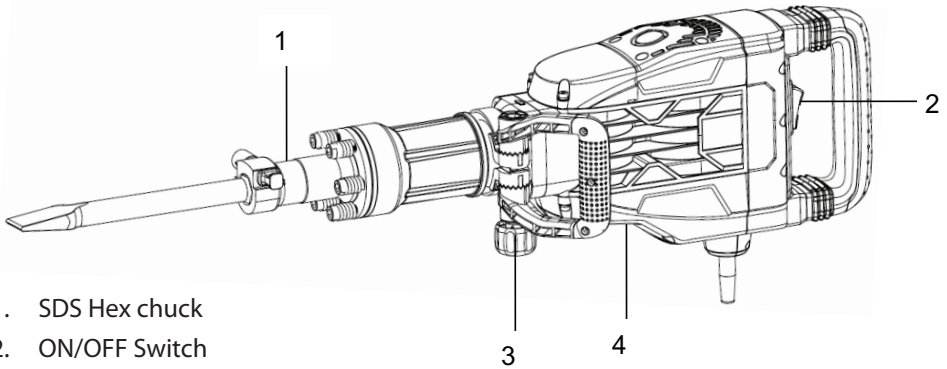
This machine produces an electromagnetic field during operation. This field may under some circumstances interfere with active or passive medical implants. To reduce the risk of serious or fatal injury, we recommend persons with medical implants to consult their physician and the medical implant manufacturer before operating this machine.



## **WARNING**

The maximum permissible system impedance is  $0.353\Omega$  at the interface point of the user's supply. The manufacturer should be declare it in the equipment instruction manual and instruct the user to determine in consultation with the supply authority, if necessary, that the equipment is connected only to a supply of that impedance or less.

# OPERATING INSTRUCTIONS/DRAWINGS



- 1. SDS Hex chuck
- 2. ON/OFF Switch
- 3. Auxiliary handle
- 4. Grease cap

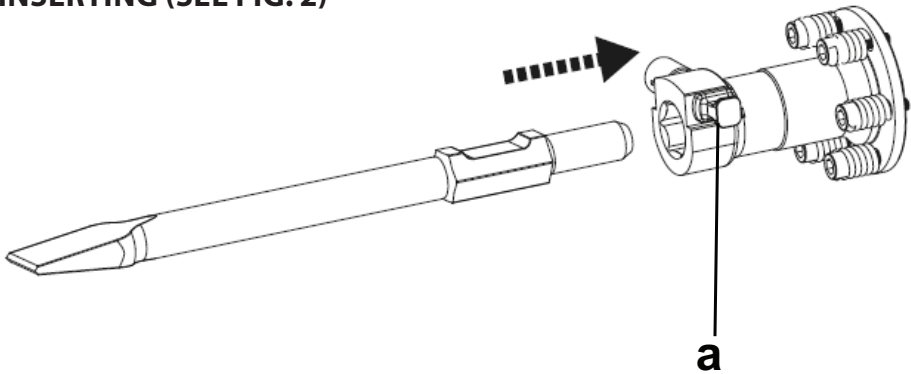
## CHANGING THE TOOL

**BEFORE ANY WORK ON THE MACHINE ITSELF,  
PULL OUT THE POWER PLUG**

Changing the tool easily with the SDS Hex tool holder .

**INSERTING (SEE FIG. 2)**

**Fig. 2**



## CLEAN AND GREASE THE SHAKE END OF THE TOOL

Pull out the locking bolt(a)as far as possible,turn it through 180 degree and release it  
Insert the chisel into the chuck and push it as far as possible.



### REMOVING (SEE FIG. 3)

Pull out the locking bolt(a) again, turn it through 180 degree in the opposite direction and release it.

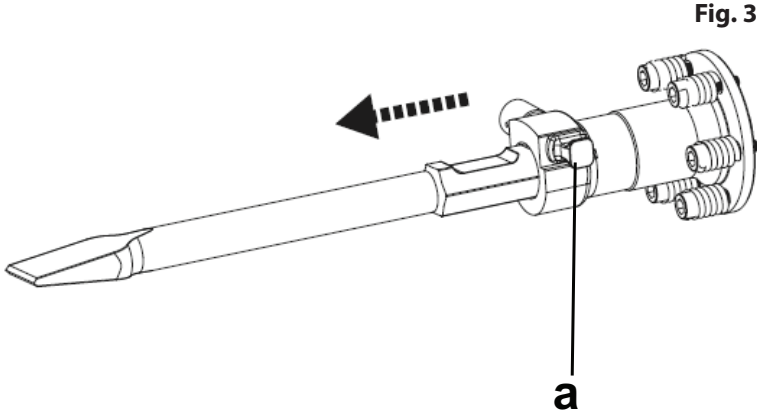


Fig. 3

### AUXILIARY HANDLE (SEE FIG. 4)

Use the machine only with the auxiliary handle (3)

Loosen the handle by turning anti-clockwise. Rotate the auxiliary handle (3) to the desired working position and re-tighten the handle firmly.

It is recommended the hammer always be supplied via a residual current device with a rated residual current of 30mA or less.

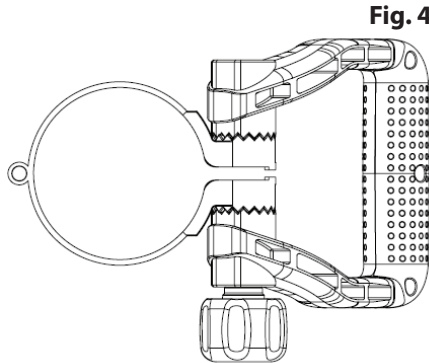


Fig. 4

### INITIAL OPERATION

Do not drill in blind areas where there could be hidden electric, gas or water lines. Use the appropriate detectors to find these lines in the work area or call the local utility company for assistance.

Touch electric line may cause fire or electric shock. Striking a gas line will probably result in an explosion. Breaking into a water pipe will cause property damage or may cause an electric shock.



## WARNING

Hold electric tools by their insulated Handles whenever there is the possibility of touching hidden wires or the tools own cords while using them.

Touching a "live" wire can transfer the voltage to the exposed metal parts of the tool and give the operator an electric shock.

**Always use the correct voltage:** the voltage of the power source must agree with the values on the nameplate of the machine. It is recommended the hammer always be supplied via a residual current device with a rated residual current of 30 mA or less.

## SWITCHING ON AND OFF

**Switching on:** Press the On/Off switch (2) and hold on.

**Switching off:** Release the On/Off switch (2).

For low temperature, the machine reaches the full hammer/impact performance only after a certain running time.

This start-up time can be shortened by striking the drill/chisel against the floor one time.

## MAINTENANCE

After use, check the tool to make sure that it is in top condition. It is recommended that you take this tool to a Total Tools Store for a thorough cleaning and lubrication at least once a year.

If the supply cord of this power tool is damaged, it must be replaced by a qualified, authorised service agent.

If the carbon brushes need to be replaced, it must be done by an authorised service agent (always replace the two brushes at the same time).

The grease must be refilled regularly. With more frequent use, requires frequent refilling. The recommended grease type is FT-1994 and alternatively Mobil SHC100.

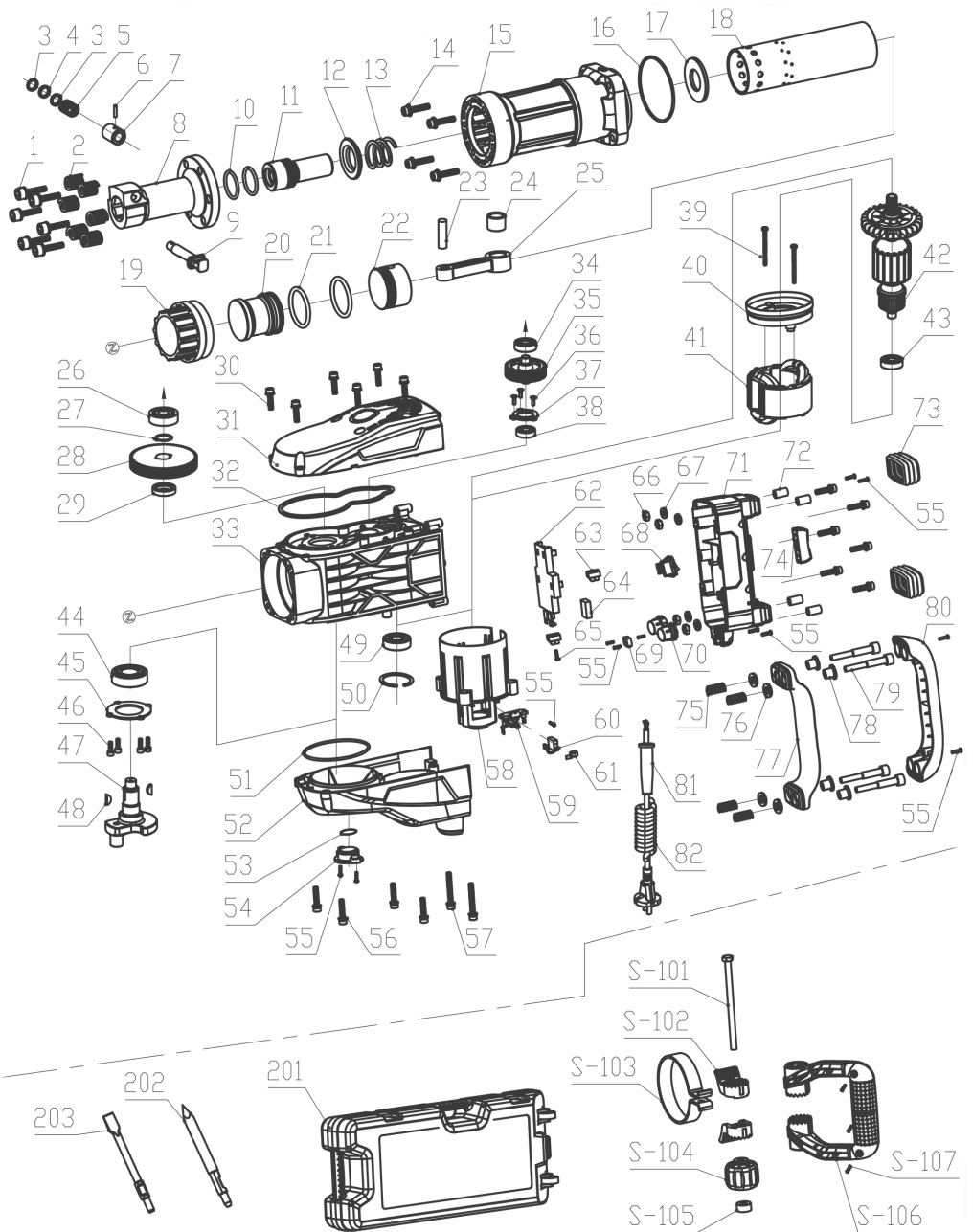


## WARNING

To ensure safety and reliability, all repairs should be performed by a TOTAL TOOLS STORE or other QUALIFIED SERVICE ORGANIZATION.

SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE.

# PARTS BREAKDOWN



# PARTS BREAKDOWN LIST

No	Part Number	Description	Qty
1	DETDDH170001	Screw M10 × 35 - 12.9	6
2	DETDDH170002	Spring Washer Φ10	6
3	DETDDH170003	6501 Locking Stick Washer	1
4	DETDDH170004	6501 Locking Stick Spring Washer	2
5	DETDDH170005	6501 Locking Stick Spring	1
6	DETDDH170006	6501 Locking Pin	1
7	DETDDH170007	C-6501 Spring Cover	1
8	DETDDH170008	6501 Front Cover	1
9	DETDDH170009	6501 Locking Stick	1
10	DETDDH170010	C-O Ring 32.4 × 3	1
11	DETDDH170011	8506 Impact Hammer	1
12	DETDDH170012	8506 Impact Hammer Washer	1
13	DETDDH170013	Big Anti-Vibration Ring	1
14	DETDDH170014	Screw+Damping+Washer Assembled Part M8 × 35	1
15	DETDDH170015	8506 Front Placket	1
16	DETDDH170016	O Ring 90 × 2	1
17	DETDDH170017	8506 Cylinder Plate	1
18	DETDDH170018	8506 Cylinder	4
19	DETDDH170019	Aluminum Cylinder Base	5
20	DETDDH170020	Air Hammer	4
21	DETDDH170021	O Ring 47 × 5	1
22	DETDDH170022	6501 Aluminum Piston	1
23	DETDDH170023	6501 Piston Pin	1
24	DETDDH170024	8506 Oil Steel Sleeve	1
25	DETDDH170025	8506 Connecting Rod	1
26	DETDDH170026	Bearing 6302-2Rs	2
27	DETDDH170027	Clip Ring 22	1
28	DETDDH170028	6501 Big Gear	8
29	DETDDH170029	8503 Distance Ring	1

No	Part Number	Description	Qty
30	DETDDH170030	Screw+Damping Plate+Washer Assembled Part M6 × 25	1
31	DETDDH170031	8506 Up Cover	1
32	DETDDH170032	8506 Housing Seal	1
33	DETDDH170033	8506 Housing	1
34	DETDDH170034	Bearing 6201-2Rs	1
35	DETDDH170035	6501 Small Gear	1
36	DETDDH170036	Screw M5 × 12	1
37	DETDDH170037	6001 Bearing Press Plate	1
38	DETDDH170038	Bearing 6001-2Rs	1
39	DETDDH170039	Screw St4.8 × 70-F	1
40	DETDDH170040	8503Fan Cover	1
41	DETDDH170041	8503 Stator	1
42	DETDDH170042	6501 Rotor	1
43	DETDDH170043	Bearing 6201-2Rs	1
44	DETDDH170044	Bearing 6205-2Rs	1
45	DETDDH170045	Big Bearing Cover Plate	1
46	DETDDH170046	Screw+Damping Plate M6 × 25	1
47	DETDDH170047	8506 Spindle	1
48	DETDDH170048	Semicircular Key 4 × 6.5 × 16	1
49	DETDDH170049	Bearing 6203-2Rs	1
50	DETDDH170050	Clip Ring 40	1
51	DETDDH170051	O-Ring 93.5 × 2	1
52	DETDDH170052	8503 Down Cover	1
53	DETDDH170053	O-Ring 25 × 2	1
54	DETDDH170054	8503 Oil Cover	1
55	DETDDH170055	Screw St4 × 16-F	1
56	DETDDH170056	Screw+Damping Plate+Washer Assembled Part M6 × 30	1
57	DETDDH170057	Screw+Damping Plate+Washer Assembled Part M6 × 50	1
58	DETDDH170058	8503 Motor Cover	1
59	DETDDH170059	Jm1801 Angle Grinder Carbon Brush Holder	1

<b>No</b>	<b>Part Number</b>	<b>Description</b>	<b>Qty</b>
60	DETDDH170060	8503 Carbon Brush	1
61	DETDDH170061	8503 Spring	1
62	DETDDH170062	8503 Speed Adjustor Cover	1
63	DETDDH170063	Binding Post	1
64	DETDDH170064	2630 Capacitor 0.33	1
65	DETDDH170065	Screw St2.5 × 16-F	1
66	DETDDH170066	Nut M8	1
67	DETDDH170067	Flat Washer Φ8	1
68	DETDDH170068	8506 Switch	1
69	DETDDH170069	2601 Cord Clamp	1
70	DETDDH170070	8503 Screw Insulated Sleeve	1
71	DETDDH170071	8506 Back Cover	1
72	DETDDH170072	Anti-Vibration Rubber Sleeve 10 × 13 × 25	1
73	DETDDH170073	8503 Anti-Vibration Rubber Cover	1
74	DETDDH170074	8506 Switch Trigger	1
75	DETDDH170075	3206 Anti-Vibration Spring	1
76	DETDDH170076	Washer 10 × 20 × 1.5	1
77	DETDDH170077	8503 Handle	1
78	DETDDH170078	8503 Anti-Vibration Washer	1
79	DETDDH170079	8503 Anti-Vibration Screw	1
80	DETDDH170080	8503 Handle Cover	1
81	DETDDH170081	2601 Cord Sheath	1
82	DETDDH170082	8503 Cord	1
S-101	DETDDH1700101	Screw M8 × 130	1
S-102	DETDDH1700102	8506 Auxiliary Handle Clamp Block	1
S-103	DETDDH1700103	8505 Auxiliary Handle Block Ring	1
S-104	DETDDH1700104	8506 Auxiliary Handle Knob	1
S-105	DETDDH1700105	Nut M8	1
S-106	DETDDH1700106	8506 Auxiliary Handle	1
S-107	DETDDH1700107	Screw St4 × 16-F	1

# NOTES



## WARRANTY INFORMATION

This warranty is provided by Total Tools (Importing) Pty Ltd of 20 Thackray Road, Port Melbourne VIC 3207. Phone: 03 9261 1900 (we, us, our).

### **Express Warranty**

Subject to the exclusions set out below, we warrant that this product will be free from defects in materials or workmanship for 12 months from the date of purchase.

The benefits conferred by this warranty are in addition to all rights and remedies which you may be entitled to under the Australian Consumer Law, and any other statutory rights you may have under other applicable laws. This warranty does not exclude, restrict or modify any such rights or remedies.

### **Warranty exclusions**

This express warranty does not apply where a defect or other issue with the product is caused by normal wear and tear, misuse or abuse of the product.

### **Consumer guarantees**

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

### **Warranty claims**

To make a claim under this warranty, you must bring the product along with the proof of purchase and any other documentary evidence which you think is relevant to the Total Tools' place of purchase where the claim will be handled on our behalf. Any cost incurred by you in bringing the product to the place of purchase will be borne by you.

To make a claim under this warranty, the product and proof of purchase must be returned to the Total Tools place of purchase during the warranty period specified above. If your warranty claim is accepted, we (or the Total Tools store that handles the claim on our behalf) will, at our discretion, repair or replace the product, or refund money to you and take back the product.

# DETROIT®