

EN

Original Instructions
Version 1
January 2024

DRAPER[®]

110L SUCTION AND VACUUM **OIL DRAINER**

13597



These are the original product instructions. This document is part of the product; retain it for the life of the product, passing it on to subsequent holders. Read this manual in full before attempting to assemble, operate or maintain this product.

This Draper Tools manual describes the purpose of the product and contains all the necessary information to ensure its correct and safe use. Following all the instructions and guidance in this manual will ensure the safety of both the product and the operator and increase the lifespan of the product.

All photographs and drawings within this manual are supplied by Draper Tools to help illustrate correct operation of the product.

Every effort has been made to ensure the information contained in this manual is accurate. However, Draper Tools reserves the right to amend this document without prior warning. Always use the latest version of the product manual.

1.1 Product Reference

User Manual for: 110L Suction Oil Drainer and Vacuum

Stock No: 13597

Part No: OD110L

1.2 Revisions

Version 1: January 2024

First release

As our manuals are continually updated, always ensure that the latest version is used.

Please visit drapertools.com/manuals for the latest version of this manual and the associated parts list, if applicable.

1.3 Understanding the Safety Content of This Manual



WARNING! – Situations or actions that may result in personal injury or death.



CAUTION! – Situations or actions that may result in damage to the product or surroundings.

Important: – Information or instructions of particular importance.

1.4 Copyright © Notice

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3. Product Introduction

3.1 Intended Use

This product is designed to drain waste engine and gear oil by either gravity or suction. It is also fitted with a vacuum attachment for cleaning up any oil spillages.

Any other application beyond the conditions established for use will be considered misuse. Draper Tools accepts no responsibility for improper use of this product.

Read this manual in full before assembling, operating or maintaining the product, and retain it for later use.

3.2 Specification

Stock No.	13597
Part No.	OD110L
Oil Tank Capacity:	110L
Collection Drainer Capacity:	10L
Coupler Type:	1/4" BSP UK
Air Working Pressure:	6 - 8 Bars
Draining working Pressure:	0.5 Bars
Vacuum Pressure:	-0.5 Bars
Recommended Working Oil Temperature:	40 - 50°C
Max. Collection Height:	1871.5mm
Min. Collection Height:	1231.5mm
Dipstick probe diameter:	Plastic 6mm
	Plastic 8mm
	Copper 6mm
Weight (empty):	36kg
Product Dimensions:	729 X 473 X 1500mm

Important: Read all the Health and Safety instructions before operating, maintaining or repairing this product. Non-compliance with these instructions may result in injury or damage to the user or the product.

4.1 General Health and Safety Warnings

 **WARNING! Read all safety warnings, instructions, illustrations and specifications provided with this product. Failure to follow all instructions listed below may result in damage or injury to the user.**

- Ensure all Health and Safety, Local Authority and general workshop regulations are followed when using this equipment.
- Familiarise yourself with the process and all limitations of the oil drainers as well as any potential hazards.

 **WARNING! Ensure that the oil drainer is disconnected from the air supply before changing accessories, servicing or undertaking any maintenance.**

- **DO NOT** modify any parts and only use accessories and spare parts supplied by Draper Tools.
- Keep the work area clean and tidy and ensure that there is adequate lighting.
- Ensure the floor is not slippery and wear non-slip shoes in case of oil spillages.

 **WARNING! When extracting high temperature oils, ensure that hands, face and body are protected using suitable personal protective equipment (PPE).**

- **Important: Always** ensure the vehicle engine is switched off before draining oil or irreparable damage will occur to the engine.
- **DO NOT** extract caustic or flammable liquids.

 **CAUTION: Never use the oil drainer near open flames or other heat sources.**

- **NEVER** fill above the maximum level indicator on the tank.
- Keep children and unauthorised personnel away from the work area.
- Only trained and competent personnel may operate this equipment.

 **WARNING! Ensure the correct air pressure is maintained and it does not exceed the maximum specified (Refer to section 3.2 specification).**

- Keep the air hose away from heat, oil or sharp edges. Check the air hose for signs of wear and tear before each use. Ensure that all connections are secure.
- Only use the oil drainer for its intended purpose.
- **DO NOT** operate if any parts are damaged or missing as this may cause failure and/or personal injury.
- **DO NOT** stand on the oil drainer.
- **DO NOT** adjust or tamper with the safety valve.
- **DO NOT** move the drainer by the hose or pull the hose from its air supply, always use the handle.
- **DO NOT** place attachments close to your face (especially eyes or ears). Do not point or direct the hose at person(s) or animals.
- **DO NOT** operate if you are tired or under the influence of alcohol, drugs or intoxicating medicine.
- **DO NOT** leave the oil drainer unattended when operating.

 **WARNING! DO NOT release the oil pan drainage valve if there is pressure in the tank as the drainage tube and pan will be propelled upwards with great force. This could result in damage to the equipment or risk serious injury.**

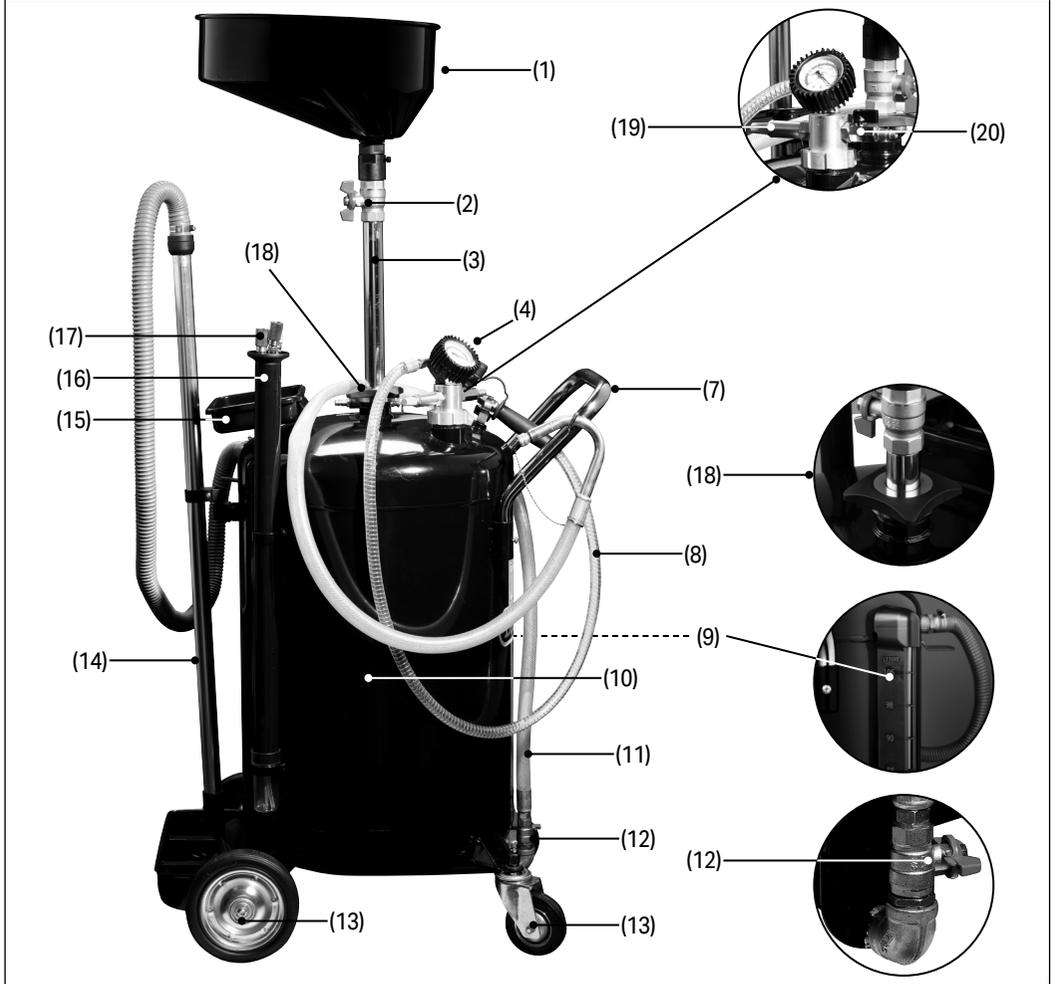
- Always use on a flat level surface capable of supporting the product and its maximum load.
- When not in use, disconnect from the air supply, vent the tank and store in a safe, dry and childproof place.
- Dispose of any waste oil in accordance with local authority regulations.

 **WARNING! DO NOT pollute the environment through uncontrolled discharge of any waste oil.**

4.2 Residual Risk

The safety instructions in this manual cannot account for all possible conditions and situations that may occur. Exercise common sense and caution when using this product and protect against any additional conceivable risks.

5.1 Product Overview



- | | |
|-------------------------------|---|
| (1) Oil collecting pan | (11) Tank drainage hose |
| (2) Oil pan drainage valve | (12) Tank drainage hose valve |
| (3) Oil drainage steel tube | (13) Wheels/castors |
| (4) Air pressure gauge | (14) Vacuum Attachment with drip tray |
| (5) Safety valve | (15) Parts tray |
| (6) Air connector with valve | (16) Suction probe holder |
| (7) Handle | (17) Suction probes X 3 |
| (8) Suction hose with valve | (18) Oil pan height adjustment |
| (9) Tank level indicator tube | (19) Vacuum spool |
| (10) Oil waste tank | (20) Suction air inlet connector with valve |

5. Identification and Unpacking

5.1 Product Overview



- (17) 1 X Plastic 6mm diameter
- 1 X Plastic 8mm diameter
- 1 X Copper 6mm diameter

Oil drainer extension (optional attachment Stock No: (21144)

5.2 Packaging

Keep the product packaging for the duration of the warranty period for reference should the product need to be returned for repair.

WARNING! Keep packaging materials out of reach of children. Dispose of packaging correctly and responsibly and in accordance with local regulations.

Please visit drapertools.com for our full range of accessories and consumables.

1. The following parts need assembling before the oil drainer can be used.

Castors/Wheels (13)

- Insert the bolts on the top of the castors into the flange plates. Slide the flat washer, circlip and cover nut onto the bolt, tighten securely.
- Slide the two wheels onto each end of the axle at the base of the tank. Secure with the washer and bolt and tighten.

Handle (7)

- Insert the handle into the two slots on the side of the tank, tighten with screws.

Oil Pan (1)/Drainage Tube (3)

- Insert the oil drainage tube into the top of the tank and tighten using the height adjustment knob.
- Attach the pan to the top of the oil drainage tube, tighten securely. Then place the plastic screen into the pan.

Vacuum Attachment with Drip Tray (15)

- Assemble the vacuum attachment. Then insert the end of the vacuum hose into the tank and tighten securely. Use the screws and nuts to fit the tray to the oil drainer.

Important: Before preparing or adjusting this product, read and understand all the safety instructions listed in this manual.

- **Important:** Always ensure the vehicle engine is switched off before draining oil or irreparable damage will occur to the engine.

7.1 Collecting Waste Oil by Gravity

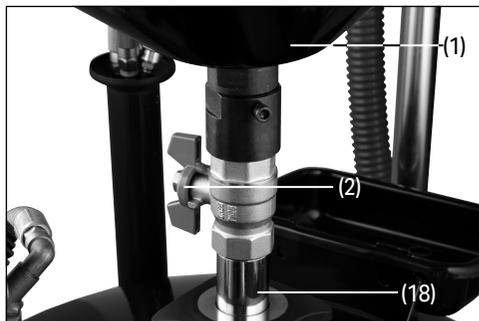


Fig. 1

1. Open the oil pan drainage valve (2).
2. Raise the vehicle with a vehicle lift.
3. Push the oil drainer underneath the vehicle ensuring that the oil pan (1) is directly beneath the oil drain plug. Adjust the height of the oil pan (1) as required using the height adjustment (18).
4. Then unscrew the vehicle's oil drainage plug.

WARNING! Ensure that the oil pan is positioned correctly and that all the other valves are closed before opening the vehicle's oil drainage plug.

- **DO NOT** smoke or have any source of ignition near the oil drainer.
- Keep an eye on the oil level in the tank during operation. **DO NOT** fill above the maximum level on the tank indicator tube (9).

7.2 Collecting Waste Oil by Suction

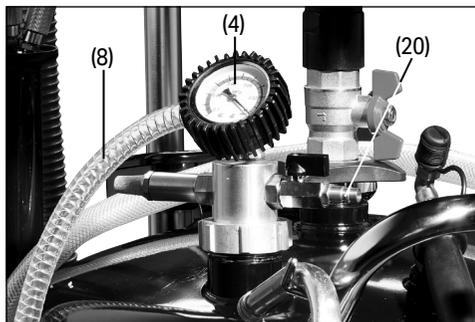


Fig. 2

1. Connect a pressurised air supply to the suction air inlet (20) and open the valve.

WARNING! Check that all the other valves are closed especially the oil drainage valve (2) and the tank drainage valve (12).

2. Check the air pressure gauge (4) and allow the pressure to drop down to -0.5bars. Then close the air inlet valve and shut off the compressed air. The oil drainer is depressurised and ready to use.
3. With the vehicle's engine still warm, remove the oil dipstick. Then select the most suitable suction probe (17) and insert into the engine as far as possible.
4. Connect the suction hose (8) to the probe.
5. Open the valve on the suction hose and the oil will be extracted.
6. Once the oil is completely drained from the engine, close the valve on the suction hose.

7.3 Draining the Waste Oil Tank

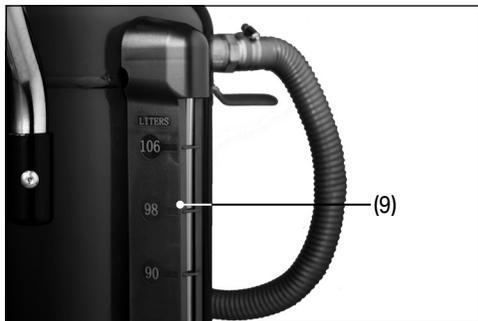


Fig. 3

- The oil level indicator (9) on the side of the tank will show the level of waste oil collected. Empty when at the maximum level.

⚠ WARNING! Ensure the oil pan valve (2), vacuum and suction hose valves are closed before draining the tank.

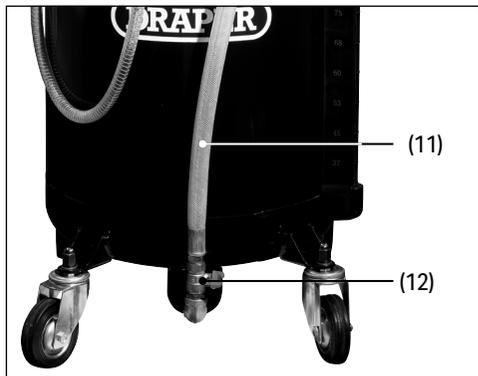


Fig. 4

1. Put the end of the tank drainage hose (11) into a suitable waste oil container.
2. Connect an air supply to the air connector (6) and open the air valve (fig.5).
3. Then open the tank drainage hose valve (12).
4. After all the oil has been transferred from the tank to the waste container, close the hose drainage valve (12) and disconnect the air supply.

⚠ WARNING! Clean up any spillages immediately and wash your hand afterwards.



Fig. 5

7.4 Using the Vacuum Attachment

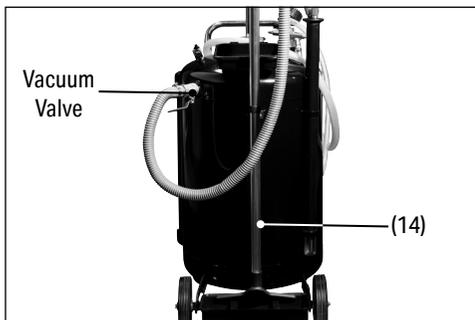


Fig. 6

1. Connect the air supply to the suction air inlet connector (20) and open the air valve (refer to section 7.2 and fig.2).

⚠ WARNING! Check that all the other valves are closed especially the oil pan drainage valve (2) and the tank oil drainage valve (12).

2. Check the air pressure gauge (4) and allow the pressure to drop down to -0.5bars. Then close the air inlet valve and shut off the compressed air. The oil drainer is depressurised and ready to use.
3. Open the valve on the vacuum attachment hose.
4. Use the vacuum attachment (14) to clean up any oil spillages.
5. As soon as the oil spillage is cleared, close the valve and disconnect the air supply.

8.1 General Maintenance

- When not in use, disconnect from the air supply, vent the tank and store in a safe, dry and childproof place.
- Check the suction air hoses for signs of wear and tear before each use. Ensure that all connections are secure.
- Regularly unscrew and clean the vacuum spool (19).
- To prevent corrosion do not store waste oil in the tank for long periods.
- Wipe the surface areas of the oil drainer regularly with a mild soap and damp cloth to keep it clean and free from oil.
- When not in use store in a cool, dark place and out of direct sunlight.

8.2 Troubleshooting

Problem	Possible Cause	Remedy
Pressure not dropping on air pressure gauge	Valve left open.	Close valve correctly.
	Incorrect air pressure value.	Check section 3.2 Specification For correct pressure required.
Oil not pumping even with correct pressure	Poor seal between air supply and suction hose.	Check correctly sealed.
	Waste Oil temperature too low below 40°C.	Check engine is still warm.
	Suction hose valve closed.	Open the valve.
	Suction hose blocked or touching bottom of the tank.	Clean hose or reposition in tank.

9. Spares, Returns and Disposal

For spare parts, servicing, and repair and replacement options, please contact the Draper Tools Product Helpline for details of your nearest authorised agent.

Draper Tools will endeavour to hold any spare parts, if applicable, for seven years from the date that it sells the final matching stock item.

Any servicing or repairs carried out by unauthorised personnel or installation of spare parts not supplied by Draper Tools will invalidate your warranty.

Important: For safety, **ALWAYS** drain and clean the product of any oil, fuel, chemicals or other substances before returning it to Draper Tools or its authorised agent. Store these materials in suitable containers and dispose of them in accordance with local regulations. Draper Tools and its agents cannot be responsible for the disposal of these substances.

At the end of its working life, dispose of the product responsibly and in line with local regulations. Recycle where possible.

- **DO NOT** dispose of this product with domestic waste; most local authorities provide appropriate recycling facilities.
- Dispose of oil separately and in accordance with local regulations; **DO NOT** abandon it in the environment.



This warranty covers parts and labour for the lifetime of the product. However, if the tools are hired out, the warranty period is 90 days from the date of purchase.

Draper Tools products are carefully tested and inspected before shipment and are guaranteed to be free from defective materials and workmanship.

Should the tool develop a fault, return the complete tool to your nearest distributor or contact Draper Tools directly. Contact information can be found at the back of this manual.

Proof of purchase must be provided.

This warranty does not apply to any consumable parts, batteries or normal wear and tear, nor does it cover any damage caused by misuse, careless or unsafe handling, alterations, accidents, or repairs attempted or made by any personnel other than the authorised Draper Tools repair agent.

In all cases, to make a claim for faulty workmanship or materials within the standard warranty period, please contact or return the product to the place of purchase. Proof of purchase may be required.

If the place of purchase is no longer trading or if you experience any difficulties with your warranty, please contact Customer Services with the product details and your proof of purchase. Contact details can be found at the back of this manual.

If the tool is not covered by the terms of this warranty, repairs and carriage charges will be quoted and charged accordingly.

This warranty supersedes any other guarantees expressed or implied and variations of its terms are not authorised.

Your Draper Tools guarantee is not effective until you can produce, upon request, a dated receipt or invoice to verify your purchase within the guarantee period.

Please note that this warranty is an additional benefit and does not affect your statutory rights.

Draper Tools Limited

Contact Details

Draper Tools

Draper Tools Limited
Hursley Road
Chandler's Ford
Eastleigh
Hampshire
SO53 1YF
UK

Website: drapertools.com

Email: sales@drapertools.com

Product Helpline: +44 (0) 23 8049 4344

Telephone Sales Desk: +44 (0) 23 8049 4333

General Enquiries: +44 (0) 23 8026 6355

General Fax: +44 (0) 23 8026 0784

Delta International

Delta International BV
Oude Graaf 8
6002 NL
Weert
Netherlands

Please contact the Draper Tools Product Helpline for repair and servicing enquiries.