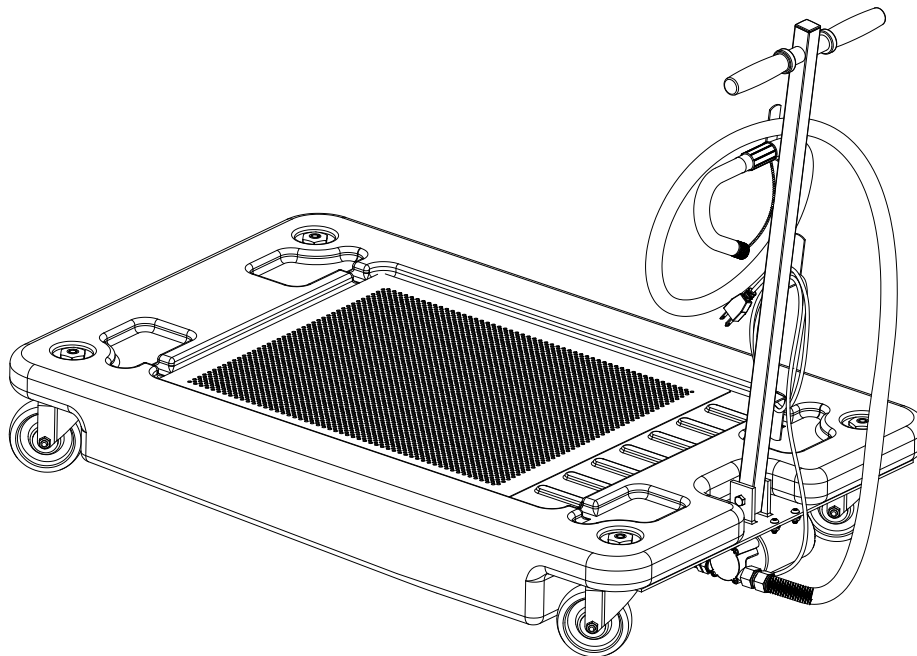


# 17 U.S. gallon portable low profile drain with electric pump

Model 3669



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# Contents

<b>Safety</b> .....	<b>3</b>
Explanation of signal words for safety .....	3
Specifications .....	3
<b>Assembly</b> .....	<b>4</b>
<b>Usage</b> .....	<b>5</b>
Drain operation .....	5
Discharge operation .....	5
Parts list .....	7
Kits list* .....	7
Troubleshooting .....	8
<b>Warranty</b> .....	<b>12</b>

# Safety

## Explanation of signal words for safety

### NOTE

Emphasizes useful hints and recommendations as well as information for efficient and trouble-free operation.

### CAUTION

Indicates a dangerous situation that can lead to light personal injury or property damage if precautionary measures are ignored.

### WARNING

Indicates a dangerous situation that could lead to death or serious injury if precautionary measures are ignored.

### DANGER

Indicates a dangerous situation that will lead to death or serious injury if precautionary measures are ignored.

### WARNING

Read manual prior to installation or use of this product. Keep manual nearby for future reference. Failure to follow instructions and safety precautions may result in death or serious injury.

Read and carefully observe all assembly, operating and troubleshooting instructions before starting these procedures. The truck drain must be assembled, maintained and repaired exclusively by persons familiar with the instructions in this manual.

Assemble and operate the truck drain only after safety instructions, warnings and procedures have been read and are completely understood.

Adequate personal protection must be used to prevent splashing of material on the skin or in the eyes.

Always disconnect power source (lock out/tag out) before starting installation of this equipment. Never assemble or disassemble the truck drain while connected to a power source.

Any other use not in accordance with instructions in this manual will result in loss of claim for warranty or liability.

- Do not use the drain on surfaces that are covered with oil or grease.
- Do not use the drain on surfaces that are not flat and level.
- Do not exceed the drain load capacity.
- Do not allow the load to become uneven.
- Do not allow anyone in the vehicle while using the drain.
- Do not drain oil above 160 °F (71 °C) into the drain.
- Do not use the drain near flames or heat sources.
- Do not misuse, over-pressurize, modify parts, or use worn and/or damaged parts.
- Do not use the drain on a vehicle that is running.
- Dispose of used oil properly.
- Failure to comply may result in personal injury and/or damage to equipment.

Table 1

### Specifications

#### Reservoir and pump

Capacity	17 U.S. gal (64 liters)
Casters	4 in (101 mm)
Electric pump	115 V AC, 50/60 Hz, 2 A

Extractor hose length	6 ft. (1,8 m)
Pumping capacity	350 gph (1 324 lph)
Pump maximum oil temperature	160 °F (71 °C)
Pump minimum oil temperature	40 °F (4,4 °C)

Pump type	Impeller
Duty cycle: intermittent	Maximum 30 minutes
Thermal protection	Automatic

Motor amps	1.40 A
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#### Pump material

Body	Bronze SS
Motor shaft	303 SS
Retainer ring	BL-22

Cover	SS
Screws	SS
Pump gasket	Non ASB

Lip seal	Nitrile
Impeller	Nitrile

# Assembly

- 1 Refer to **Fig. IPB 1** and place electric pump (6) under mounting bracket (15).
- 2 Install bolts (10) through top of bracket (15) and into pump mounting holes (6).
- 3 Install nuts (5) on bolts (10).
- 4 Using a 5/32 in hex head wrench and 7/16 in wrench, hold nut (5) and tighten bolt (10).

## NOTE

Reservoir hose, evacuator hose, hose clamps, hose fittings and handle bolts are shipped inside reservoir (1).

- 11 Refer to **Fig. IPB 2** and position handle (12) in slot of mounting bracket (15).
- 12 Install bolts (13) into holes of reservoir mounting bracket (15) and threaded holes of handle (12).
- 13 Install adapter fitting (4) and extractor hose (3) onto electric pump outlet (17) and tighten.
- 14 Place filter screen (2) on reservoir (1).

## NOTE

To prevent cutting or pinching electric cord route cord away from mounting bracket and toward bottom/front of electric motor.

- 5 Refer to **Fig. IPB 2** and slide hose clamps (8) over both ends of short 8 in (203 mm) reservoir hose (9).
- 6 Insert garden hose thread (GHT) to hose barb fitting (7) into short 8 in (203 mm) reservoir hose (9).
- 7 Connect end of 8 in (203 mm) reservoir hose (9) to GHT adapter (7).
- 8 Connect other end of short 8 in (203 mm) reservoir hose (9) to barbed fitting assembly (11).
- 9 Tighten hose clamps (8).
- 10 Install garden hose thread to hose barb fitting (7), onto electric pump (6) fitting.

Fig. IPB 1

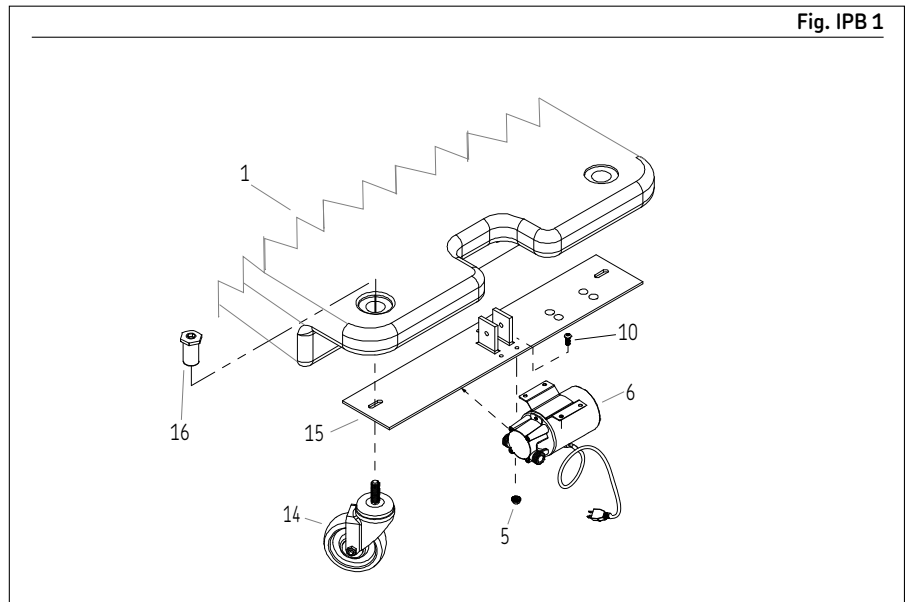
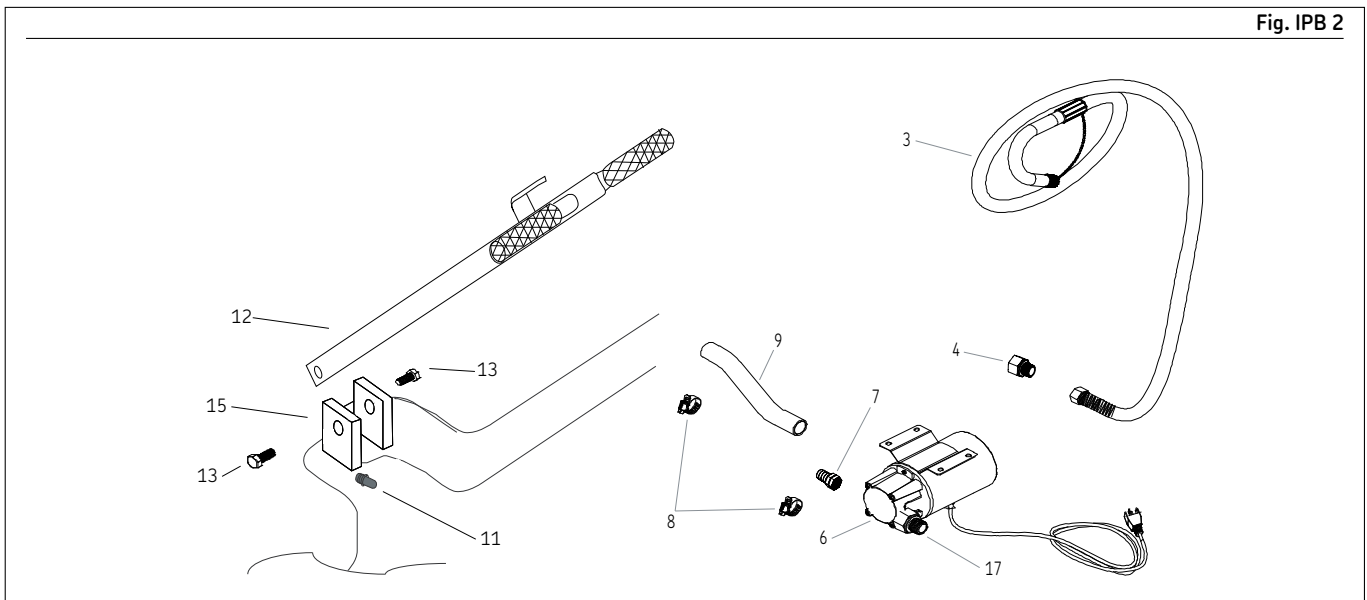


Fig. IPB 2



# Usage

## Drain operation

- 1 Place reservoir (1) under vehicle.

### ⚠ CAUTION

Do not use electrical pump in an area that is wet.

Do not attempt to drain oil from an engine that has not cooled.

Wear proper safety equipment when performing this procedure.

Failure to comply may result in personal injury or damage to equipment.

### NOTE

Prior to using drain, inspect for any damage that would prevent proper use.

When placing reservoir under vehicle, make sure opening is directly below oil drain plug of engine.

- 2 Drain engine oil from engine.
- 3 Move reservoir (1) to temporary storage area.

## Discharge operation

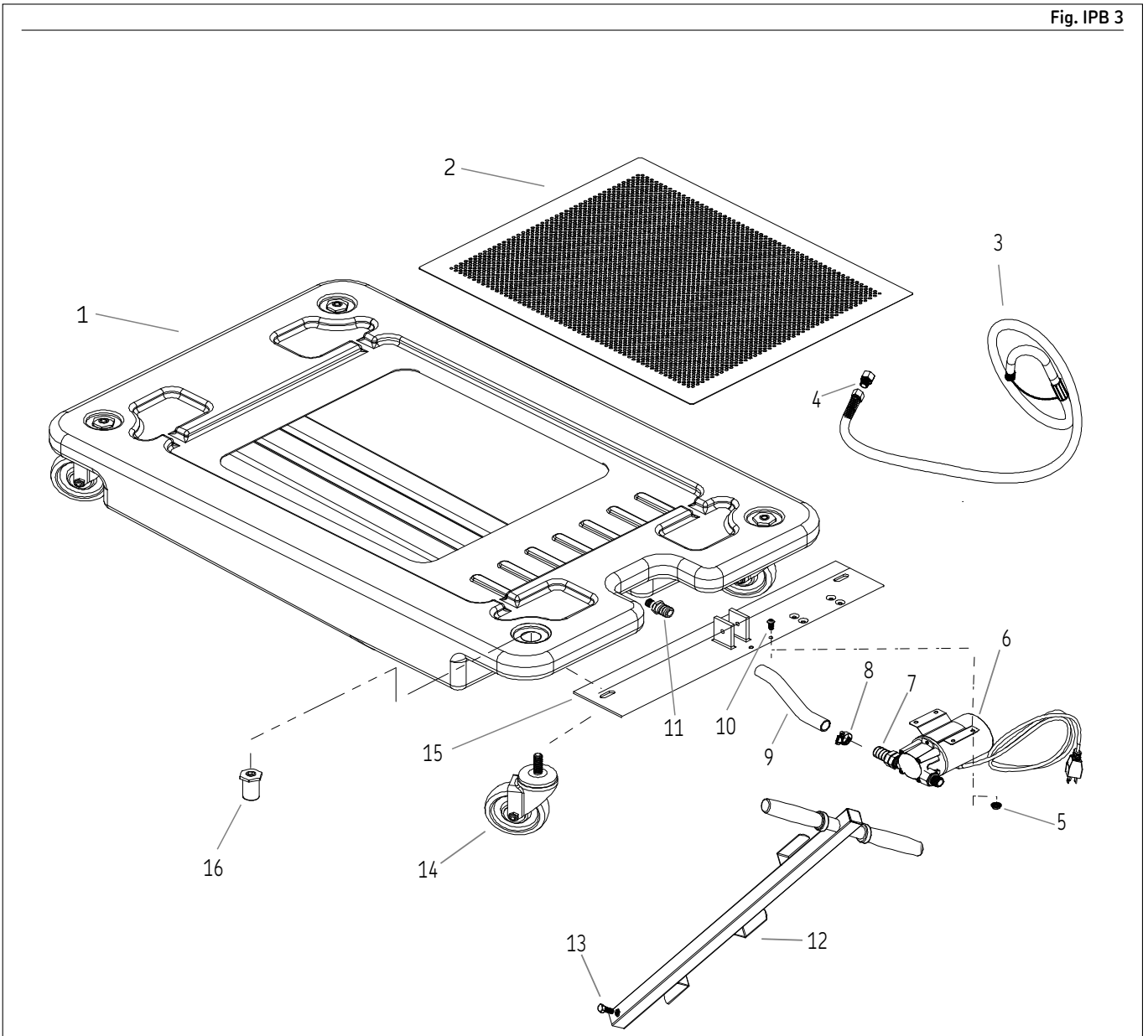
- 1 Remove nozzle plug from J-hook (3).
- 2 Place J-hook (3) securely into oil storage tank opening of an appropriate bulk fluid storage container.
- 3 Remove filter screen.
- 4 Plug electric cord of pump (6) into electrical source. Observe waste oil level in reservoir (1).

### NOTE

Do not leave pump running unattended or allow pump to run after oil has been drained from reservoir.

Failure to comply may result in damage to equipment.

- 5 When reservoir (1) is empty, unplug pump (6) from electrical outlet.
- 6 Reinstall J-hook nozzle plug.
- 7 Install filter screen (2).
- 8 Clean any waste oil from the exterior drain surfaces.
- 9 Dispose of oil in accordance with local guidelines.



### Parts list

Item	Description	Part number	Quantity
1	Reservoir <sup>1)</sup>		1
2	Filter screen	278407	1
3	Evacuator hose with J-hook	278348	1
4	Adapter, GHT (Garden hose type) 3/4 in internal to 1/2 in NPT external	278411	1
5	Nut 1/4 in serrated	278500	4
6	Electric pump	278459	1
7	Adapter, GHT 3/4 in	278456	1
8	Hose clamp		2
9	Reservoir hose 8 in (812 mm)		1
10	Bolt 1/4 in x 20 pan head	278499	4
11	Barbed fitting assembly	278442	1
12	Handle		1
13	Bolt M8 x 20		2
14	Caster	278408	4
15	Mounting bracket <sup>1)</sup>		1
16	Caster, locknut 1-1/4 in	278408	4

<sup>1)</sup> Shown for illustration purposes. Not available for order.

### Kits list\*

Kit number	Item number	Description	Part number	Quantity
278408	14	Caster		4
	16	Caster, locknut 1-1/4 in		4
278409	12	Handle		1
	13	Bolt M8 x 20		2
278455	8	Hose clamp		2
	9	Reservoir hose 8 in (812 mm)		1
279246	Not shown	Impeller		1
	Not shown	Gasket		1
278457	4	Adapter, GHT 3/4 in internal to 1/2 in NPT external	278411	1
	5	Nut 1/4 in serrated	278500	4
	6	Electric pump	278459	1
	7	Adapter, GHT 3/4 in	278456	1
	10	Bolt 1/4 in x 20 pan head	278499	4

\* Indicates change.

## Troubleshooting

Condition	Possible cause	Corrective action
Pump will not prime or retain prime after operating.	Air leak in suction line.	Repair or replace.
	Defective impeller.	Replace.
	Seal worn.	Replace.
	O-ring leaking. Groove worn in shaft at seal area Hose kinked.	Replace. Replace motor. Straighten hose.
Pump runs but no fluid.	Hose fitting not tight on head.	Tighten hose.
	Faulty suction hose.	Repair or replace.
	Defective impeller. Clogged inlet.	Replace. Clean or replace.
Motor runs too hot.	Voltage incorrect. Excessive discharge backpressure.	Supply to be 115 VAC, 60 Hz. Check pump discharge port and hose, remove any kinks or obstructions.



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## Warranty

The instructions do not contain any information on the warranty. This can be found in the General Conditions of Sales, available at: [www.lincolnindustrial.com/technicalservice](http://www.lincolnindustrial.com/technicalservice) or [www.skf.com/lubrication](http://www.skf.com/lubrication).

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February 2018 · Form 404513 Version 2