TMG INDUSTRIAL®

TMG-PSV15/25
PRODUCT MANUAL
v.2026.07.14

15/25 GAL Electric Sprayer



⚠ WARNING



Please read and understand the product manual completely before assembly

- Check the parts list to make sure all parts are received.
- Wear safety goggles or other protective gear while assembling.
- Do not return products to dealers, who are not equipped to handle returns.

Missing parts or have questions on assembly?
Email: cs@tmgindustrial.com
Or visit: tmgindustrial.com

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1.Product Warranty

Warranty

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.

We warrant our goods to be free from defects in materials and workmanship for the warranty period of 12 months from the date the product is delivered to the consumer.

This Warranty Covers

Only conditions resulting directly from defects in workmanship or material under normal use and service.

Warranty Exclusions

The Warranty does not cover:

1. Conditions resulting from misuse, use of incompatible chemicals, exceeding machine specifications including overloading, impact damage, negligence, accidental damage or failure to perform recommended maintenance services as specified in the Owner/Operator Manual applicable to the product.
2. Damage caused by continued use of a product after initial failure.
3. Any product which has been repaired by other than an authorised service.
4. The replacement of maintenance items such as diaphragms, V belts and ground engaging components, etc.

2.Safety Information

WARNING

Before attempting to operate or install the sprayer carefully read and take note of the following safety warnings.

Failure to comply with these warnings may result in serious injury or death.

Warning ! This sprayer is designed and manufactured solely for the purpose of applying agricultural chemicals to plants. Under no circumstances may it be used for any other purposes.

Warning ! Prior to sprayer usage all users and operators must have read and fully understand the contents of this operation manual.

Warning ! Do not exceed the vehicle manufacturer's specified safe load and carrying capacity.

Warning ! Exercise extreme care when operating in hilly or uneven terrain to ensure proper stability. Refer also to the vehicle manufacturer's operating and safety instructions.

Warning ! Refer to the chemical manufacturer's label for correct use and safe handling instructions of chemicals before use.

Warning ! Never allow inadequately trained personnel to attach or operate the implement.

Warning ! Before carrying out maintenance work, wash the sprayer thoroughly to remove all toxic chemicals that may contaminate the sprayer.

Warning ! Do not point spray gun at any part of the human body.

Warning ! Do not pump flammable liquids or operate the pump in an explosive environment.

3.Specification

GENERAL

The spot sprayer is a compact portable 12V sprayer designed for spot spraying.

Whether you are a commercial grower, or a home gardener you will find many uses for this unit. The tank, pump and wand fittings are corrosion resistant and are suitable for applying liquid herbicides, insecticides, fungicides, organic and green formulations.

Dimensions

	PSV15	PSV25
Tank capacity (L)	55L	100L
Tank capacity (Gallon)	15GAL	25GAL
Length	28” (715 mm)	35” (885 mm)
Width	17” (425 mm)	19” (470 mm)
Height	14” (360 mm)	17” (435 mm)
Working pressure	0.3~0.4 MPa	
Spray range(M)	3	
Spray range(ft)	10'	
Dry Weight	5.4 kg	9 kg

Tank

Blow moulded translucent impact resistant polyethylene. Screw on lid with anchor strap and anti-spill breather, 25mm drain plug, M6 threaded mounting inserts in base, 25 and 55L – 4 inserts, 100L – 6 inserts.

Pump

25 and 55L - 12V Pump, 2.6 L/min open flow, Max 50psi on demand electric pressure switch. The demand switch automatically starts the pump when the pressure falls below 45 psi and stops the pump when the pressure reaches 50 psi.

100L - 12V Pump, 5.3 L/min, open flow, Max 60psi on demand electric pressure switch. The demand switch automatically starts the pump when the pressure falls below 50 psi and stops the pump when the pressure reaches 60 psi.

Hose

6m delivery hose.

Lance

Plastic trigger grip, 550mm stainless steel extension with adjustable cone nozzle.

Gun holding clips attached to tank.

Filtration

Suction line foot filter.

Measuring Jug

650ml measure jug included

Controls

On/Off power switch.

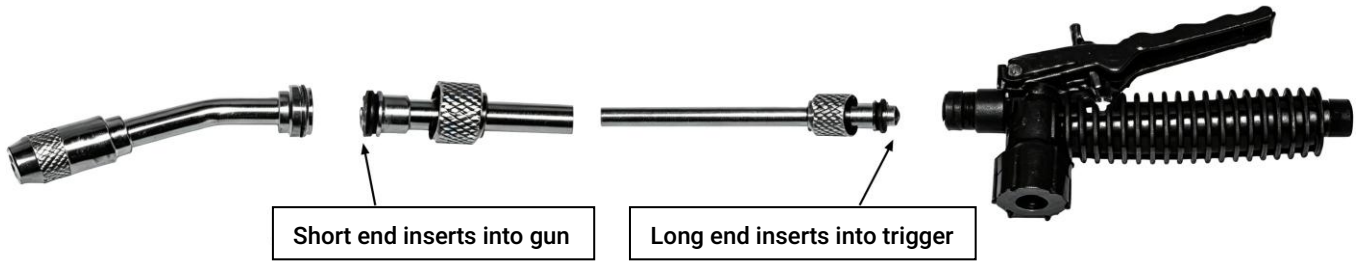
Fuse Breaking Capacity - (12V Version)

10A fuse fitted to sprayers with 3m power lead.

4.Assembly

Setting Up Your Spot Sprayer

Assemble the gun and hose as shown in the pictures below





Fit the 2 gun clips to the side of the tank with screws supplied

Fitting instructions

WARNING

Do not exceed the vehicle manufacturer's specified safe load and carrying capacity.

Position the sprayer so as to minimise contamination to the operator. With the pump mounted away from operator the risk of contamination due to hose failure can be minimised. It is recommended that the sprayer be securely attached to any ATV or other vehicle. Refer to manufacturer's instructions for appropriate load limits and fitting positions.

Note : 1 litre of water = 1 kg.

Never fill spray tank to a capacity beyond the specified overall weight limits set by your vehicle manufacturer. Recesses in the top of the tank allow for tie down straps. When fitted these should be firmly secured to approved attachment points on the ATV or other vehicle.

The sprayer should be mounted centrally and as near to the centre of gravity of the ATV or vehicle as possible. It should not protrude so as to cause an obstruction.

Connecting to 12 Volt DC Supply – (12V Version)

The Sprayer requires a 12 volt DC power source. A three metre loom is provided with the sprayer to allow the sprayer to be connected to the 12 volt DC source available. The brown wire is positive and the blue is negative. If you extend the wire use wire of the same gauge or larger.

An on/off switch is fitted to the sprayer to allow the sprayer to be switched off from the 12 volt DC source to prevent accidental drain of power. The switch also allows the pump to be shut down when the tank is empty preventing overheating and damage to the pump.

Consult your vehicle instruction manual for correct electrical connection.

Setup and Testing

It is always recommended that you first test all spray equipment thoroughly with clean water.

1. Be sure to wear safety equipment as recommended by the chemical manufacturer before adding chemical to the sprayer
2. Check the suction line foot filter is clean and undamaged.
3. Fill the tank with clean water.
4. Check all pipes, hoses, hose clamps and connections for leaks or damage.
5. Twist the tip of the nozzle anti clockwise to a 'pencil jet', the restriction to flow is minimized and this will help pump priming.
6. Switch the pump ON.
7. Depress the spray lance trigger. The pump is self priming and will start spraying within 30 seconds.
8. Check the hose connections for leaks, if any are found stop the pump and rectify the problem before continuing.
9. Slowly twist the tip of the nozzle from a coarse droplet size to a fine droplet cone pattern to your preference.

10. Once the nozzle is set and the pump is operating free of excessive pulsation/cycling then the spot sprayer is ready to be utilized for spot spraying of chemical.

Important note: Spray units should not be operated with excessive pump pulsation/cycling as this may reduce the life of the pressure switch.

5.Maintenance

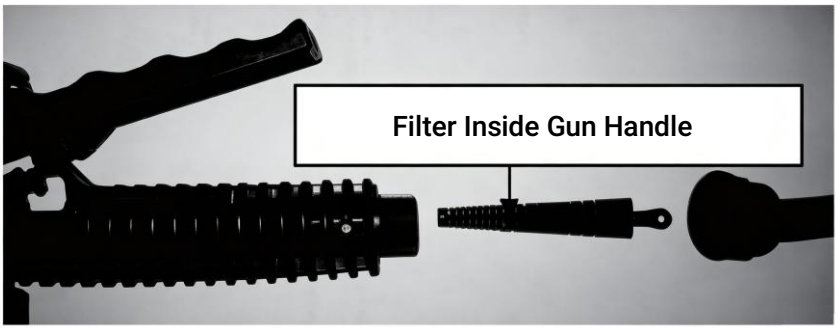
WARNING

Dispose of unused chemical and water used for rinsing in a manner that will not endanger the environment.

After spraying rinse out the spray lines and tank with clean water

-The foot filter should be checked and cleaned if necessary each time the tank is filled. To check the filter hook it out with a bent piece of wire. Appropriate protective equipment including gloves should be used whenever maintenance is carried out.

-There is a filter in gun handle. Unscrew the hose connection to the gun and withdraw the filter and clean.



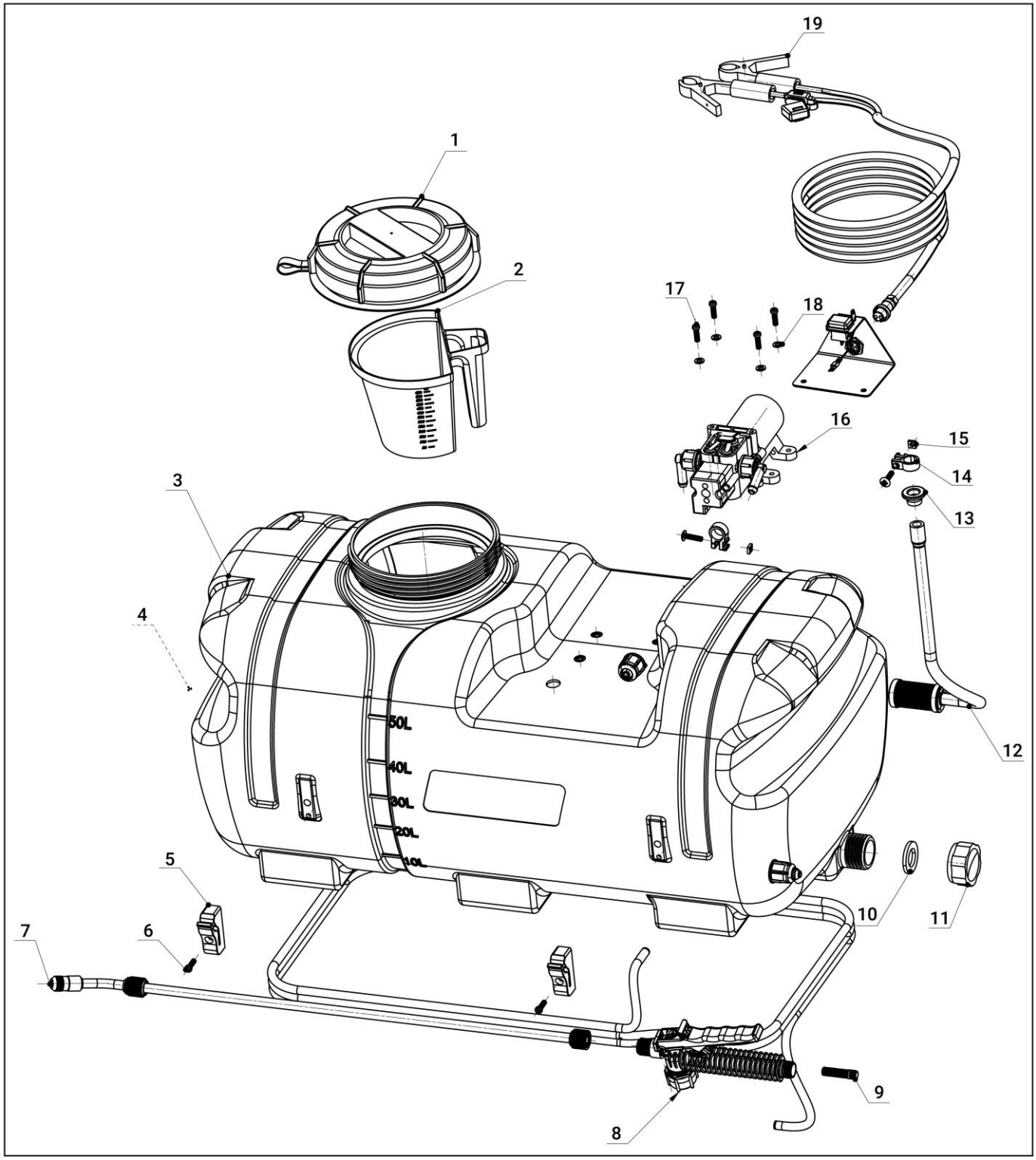
If heavy frosts are experienced, run the pump to make sure pump and spray lines are dry. This will prevent water freezing in the pump or spray lines and damaging sprayer.

6.Trouble Shooting

Trouble Shooting Guide	
Symptom	Remedy
Pump does not operate	• Check the inline Fuse in the power loom of the 12V version
Pump operates but cycles or continues to run when the wand handle is released	• There is a slow leak of liquid. Check all connections. • The tank is empty or the suction line is not fully immersed.
Pump operates with no flow rate or reduced flow	• The pump will not prime unless the gun trigger is on. • Check filter in tank, filter in handgun handle, nozzles for blockage or spray hose for kinks. • Pump valves may be stuck or blocked. Apply a small amount of pressure to the suction line by placing a garden hose over the suction hose inside the tank while the pump is running.

7.Exploded View & Parts List

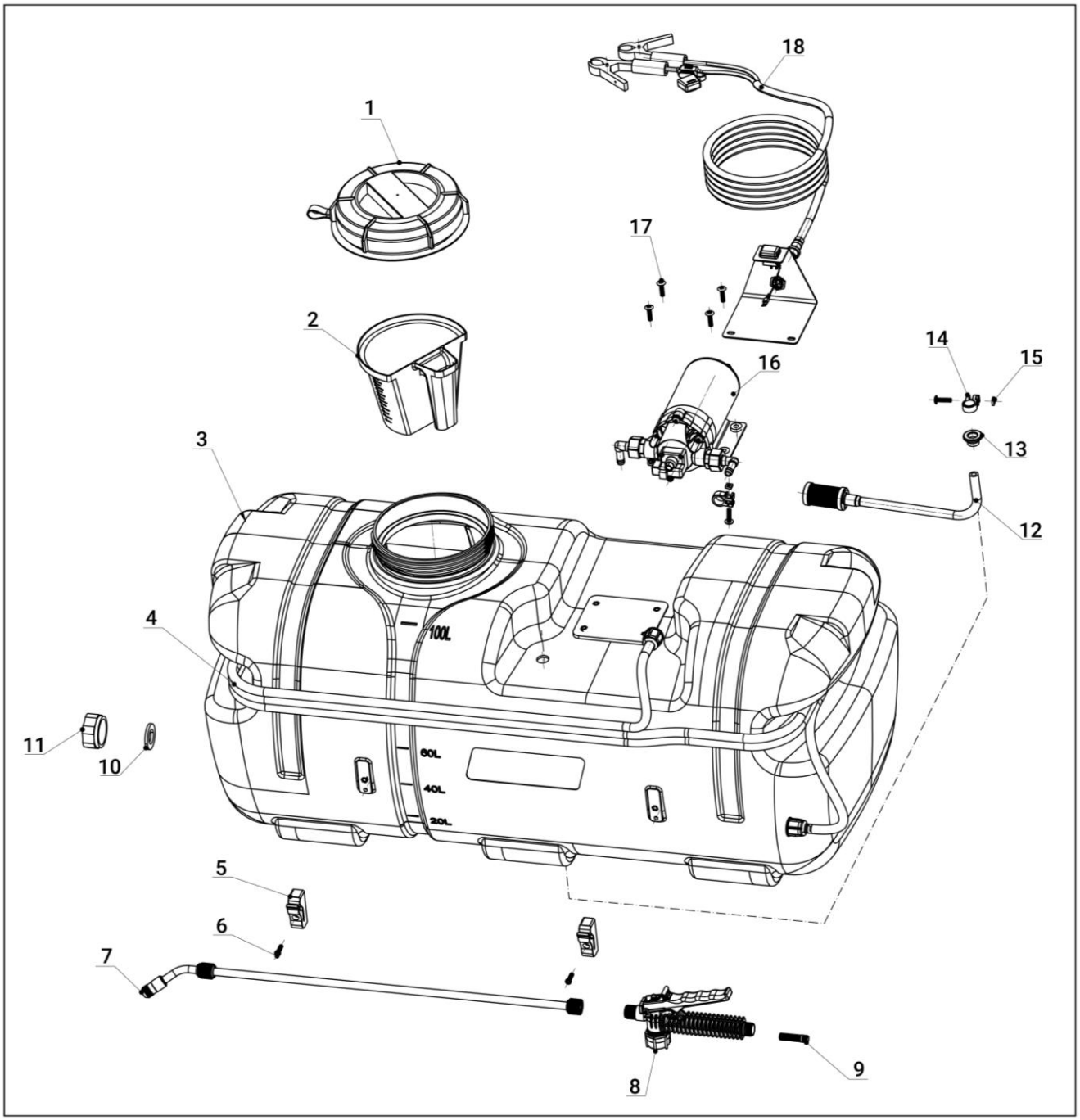
PSV15 Exploded View



PSV15 Parts List

Part No.	Description	Qty
1	Tank cover assembly, black	1
2	Measuring cup, PP 5250T, transparent	1
3	Chemical tank, HDPE 5502: 5000S=3:1, white	1
4	Outlet hose assembly	1
5	Spray wand fastener, PP P240, black	2
6	Cross recessed flat round head screw, M5×20 / head Ø11.5, 304 stainless steel	2
7	Nozzle & wand assembly, PT101Y14+PG200, L500	1
8	Switch assembly without filter screen, KG104	1
9	Filter screen for ball valve switch, PP M700R, black, KG104	1
10	Sealing gasket, 20×34.5×3.5, pesticide-resistant nitrile rubber, black, TF-900	1
11	Tank drain plug, PP 30R, black	1
12	Suction hose assembly	1
13	Rubber plug, nitrile rubber hardness 80~85A, black	1
14	Small clamp ring, PA66, black, NS-15	2
15	Square nut, M5, Grade 5 steel, blue zinc passivated plating	2
16	Pump assembly	1
17	Cross recessed pan head screw, M5×16 / head Ø7.5, 304 stainless steel	6
18	Flat washer, Grade A, thickness 5, 304 stainless steel	4
19	Electronic assembly	1

PSV25 Exploded View



PSV25 Parts List

Part No.	Description	Qty
1	Tank cover assembly, black	1
2	Measuring cup, PP 5250T, transparent	1
3	Chemical tank, HXB4505M: 5000S: 5502=2:1:1, white	1
4	Outlet hose assembly	1
5	Spray wand fastener, PP P240, black	2
6	Cross recessed pan head screw, M5×16 / head Ø7.5, 304 stainless steel	2
7	Nozzle & wand assembly, PT101Y25+PG200	1
8	Switch assembly without filter screen, KG104	1
9	Filter screen for ball valve switch, PP M700R, black, KG104	1
10	Sealing gasket, 20×34.5×3.5, pesticide-resistant nitrile rubber, black, TF-900	1
11	Tank drain plug, PP 30R, black	1
12	Suction hose assembly	1
13	Rubber plug, nitrile rubber hardness 80~85A, black	1
14	Small clamp ring, PA66, black, NS-15	2
15	Square nut, M5, Grade 5 steel, blue zinc passivated plating	2
16	Pump assembly	1
17	Cross recessed flat round head screw, M5×20 / head Ø11.5, 304 stainless steel	6
18	Electronic assembly	1
1	Tank cover assembly, black	1

WARRANTY INFORMATION: Please refer to our website for detailed warranty conditions and coverage.
For the most up-to-date and comprehensive warranty information, visit **www.tmgindustrial.com**