



Interior Texture Sprayers TexSpray[™] RTX 750[™] and RTX 1000[™]

309585 rev.C

For Water-Based Materials Only

Models:

246183, 246555 - RTX 750, 6 Gallon *55 psi (3.79 bar) Maximum Fluid Working Pressure*

246184, 246556 - RTX 1000, 8 Gallon *60 psi (4.14 bar) Maximum Fluid Working Pressure*



Read warnings and instructions.

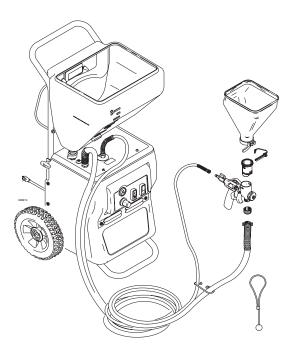
Related Manuals



309584



309586



Model 246184 Shown

PROVEN QUALITY. LEADING TECHNOLOGY.

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Â	WARNINGS
	Fire and Explosion Hazard Improper grounding, poor ventilation, open flames or sparks can cause a hazardous condition and result in fire or explosion and serious injury.
N° Z	• The system is for use with water-based materials only. Only use fluids compatible with the equipment. Refer to Technical Data of all equipment manuals. Read fluid and solvent manufacturers warnings.
	Ground the equipment. See Grounding and Electrical Requirements, page 5.
	 If there is any static sparking or you feel an electric shock while using this equipment, stop spraying immediately. Do not use the equipment until you identify and correct the equipment until you identify and correct the problem.
	Keep work area free of debris, including solvent, rags and gasoline.
	Comply with all applicable state and national fire, electrical and safety regulations.
	Equipment Misuse Hazard Equipment misuse can cause equipment to rupture, malfunction, or start unexpectedly and cause serious injury.
	 Before operating this equipment, read all manuals, tags, and labels including material labels and instructions.
	Do not expose system to rain. Always store system indoors.
	Do not alter or modify equipment.
	Do not spray cementcious materials.
	• Do not exceed maximum working pressure of lowest rated component in your system.
	Check equipment daily. Repair or replace worn or damaged parts immediately.
	 To reduce risk of serious injury, including electric shock and splashing fluid in eyes, follow Pressure Relief Procedure on page 5 before servicing the unit.
	Do not use hoses to pull equipment.
	• Route hoses away from traffic areas, sharp edges, moving parts and hot surfaces.
	 Do not expose Graco hoses to temperatures above 130 F (55 C) or below -35 F (-37 C). Store haz- ardous fluid in an approved container. Dispose of hazardous fluid according to all local, state and national guidelines.
	Never directly inhale compressed air. Compressed air may contain toxic vapors.

Â	WARNINGS
<u>/</u> } Nih	Electric Shock Hazard
	To reduce the risk of electric shock:
	Be sure sprayer is adequately grounded through electrical outlet.
	Use only 3-wire, extension cords.
	• Make sure ground prongs are intact on sprayer and extension cords. Improper installation of ground- ing plug will result in a risk of electrical shock, fire or explosion that could cause serious injury or death.
	Do not operate with cover removed.
	• Turn off sprayer. Follow Pressure Relief Procedure, page 5, and unplug unit, before removing any parts.
	•
	Pressurized Equipment Hazard
	Fluid from gun, leaks or ruptured components can splash in the eyes or on skin and cause serious injury.
	• Follow Pressure Relief Procedure, page 5 when you stop spraying and before cleaning, checking or servicing.
	• Do not point spray gun at anyone; put hand, fingers or rag over nozzle, or stop or deflect leaks with your hand, body, glove, or rag.
	Wear protective clothing, gloves, and eyewear.
	Cleaning Solvent Hazard with Plastic Parts Use only compatible water-based solvents to clean plastic structural or pressure-containing parts. Many solvents can degrade plastic parts to the point where they could fail. Such failure could cause serious injury or property damage. See Technical Data on page 15 of this instruction manual and in all other equipment manuals. Read fluid and solvent manufacturer's warnings.

CAUTION

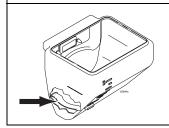
•Water or material remaining in unit when temperatures are below freezing can damage motor and/or delay pump startup. Do not allow unit to freeze.

To insure water and material are completely drained out of unit:

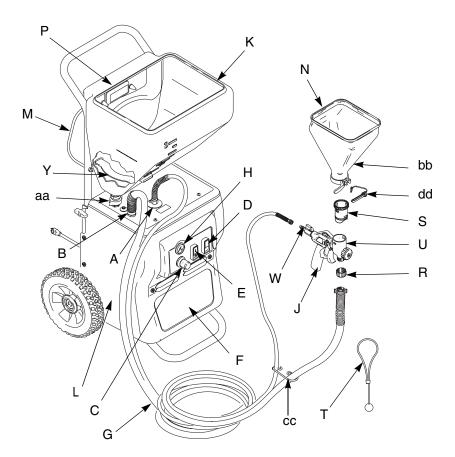
1. Remove material line from sprayer.

2. Tip sprayer up as shown.

•Before adding material or starting unit in cold weather, run warm water through pump.



Before adding material to hopper, install burp guard. When only a small amount of material remains in the hopper, the burp guard prevents material from shooting out when the unit is turned off. This material could splash in the operator's eyes or on skin, or into the air.



Component Identification

Item	Component	Item	Component
A	Air hose outlet	N	Touch-up hopper (3/4 gallon)
В	Material hose outlet	Р	Nozzle storage
С	Material flow contol (RTX 1000)	R	Hose plug
D	Hopper gun/spray gun selector switch	S	Gun plug
E	ON/OFF switch	Т	Material thickness gauge
F	Air Compressor (inside)	U	Nozzle (Nozzle Selection, page 10)
G	Material/air hose	W	Gun air valve
Н	Material flow indicator (RTX 1000)	Y	Burp guard
J	Texture spray gun (manual 309584)	aa	Hopper fitting (fluid inlet)
К	Material Hopper - 6 gallon, RTX 750	bb	Hopper clamp
	Material Hopper - 8 gallon, RTX 1000		
L	RotoFlex™ pump (inside)	СС	Hose clip
М	Hose rack/cord wrap	dd	Gun plug clip

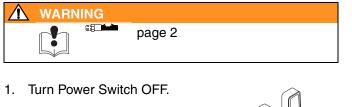
Preparation

Pressure Relief Procedure



To reduce risk of injury, follow this procedure whenever you see this symbol throughout this manual, Also, perform this procedure whenever you:

- stop spraying.
- check or repair any part of this system.
- install or clean spray nozzle.





2. Trigger gun into material hopper.

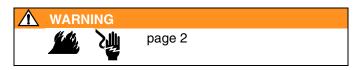


3. Open gun air valve.

Grounding and Electrical Requirements

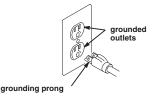
This sprayer must be grounded. Grounding reduces the risk of electrical shock by providing an escape wire for the electrical current. The sprayer cord includes a grounding wire with an appropriate grounding plug. The plug must be plugged into an outlet that is properly installed and grounded in accordance with all local codes and ordinances.

Check with a qualified electrician or serviceman if grounding instructions are not completely understood, or if in doubt as to whether the product is properly grounded. Do not modify plug provided; if it will not fit the outlet, have proper outlet installed by a qualified electrician.



120V AC Systems

This equipment requires a 120V AC, 60 Hz, 15A circuit with a grounding receptacle. Do not use an adapter with this product.



Extension Cords

- Use only an extension cord with an undamaged, 3-prong plug.
- For 25 to 50 ft (7.6 to 15.2 m) cords, use 3-wire, 14
 AWG (1.5 mm²) minimum.
- For up to 100 ft. (30.48 m) cord, use 3-wire, 12 AWG (2.5 mm²) minimum.

Auxiliary Air Compressor

Do not use an auxiliary air compressor with this spray system.

Generator Requirements

3500 W (3.5 kW) minimum.

Hose Size and Length

The system comes with a hose set consisting of a 3/4 in. ID x 25 ft (25 mm x 7.6 m) material hose and a 3/8 in-ID air hose.

Do not use more than 25 ft (7.6 m) of material hose.



CAUTION

Air hose fittings can get hot! Allow sprayer to cool down 15 minutes before removing air hose.

Setup

Important If you are going to stop spraying for more than 5 minutes, turn sprayer off to prevent shortened pump hose life. Do not allow material to dry inside pump, hoses, gun or spray system.

WARNING		
🔁 🚓 繼 page 2.		

Texture Spraying (6-8 gallon material hopper)

3. Open air valve.

4. Connect material hose

5. Install spray nozzle.

Nozzle Selection

Chart, Page 10.

6. Fill material hopper

SPRAY GUN.

7.

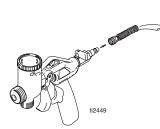
with 1 gallon of water.

See Recommended

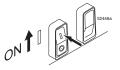
to gun.

- ti2448
- HOPPER GUN HOPPER GUN SPRAY GUN Turn hopper gun/spray gun selector switch to

- When using material hopper, insert the Gun Plug in the top of the gun. Make sure both plug tabs are securely snapped into place. Hose plug must be removed from bottom of gun.
- 1. Connect air hose and material hose to sprayer air and material hose outlets.
- 2. Connect air hose to gun.



8. Turn power switch ON.



9. Close gun air valve.



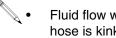
- 10. Point gun into waste bucket and pull trigger to pump water through the system. Continue to trigger gun until material hopper is empty.
- 11. Install burp guard. Caution, page 3.



- 12. Add pre-mixed texture mix to material hopper. See Mixing Material, page 9.
- 13. Continue to trigger gun and spray into waste bucket until a steady stream of material sprays out of gun.
- 14. Release trigger. To achieve uniform spray pattern, adjust air valve and flow adjustment nut on gun. If you do not achieve the desired

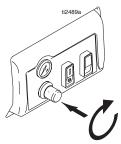


pattern, change nozzles, page 10.



Fluid flow will be restricted if the material hose is kinked.

- 15. For RTX 1000 model: when using a thicker texture:
- Turn material flow control knob clockwise to increase material flow.
- If you want more control when spraying splatter or orange peel, turn the control knob counter-clockwise to decrease material flow.



Touch Up Hopper Attachment

The Hose Plug must be securely fastened to bottom of gun when using the Touch Up Hopper. Gun plug must be removed from top of gun.

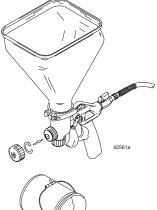


- 1. Connect air hose to sprayer.
- 2. Connect air hose to gun.
- 3. Clip material hose to air hose.



- Slide hopper on top of 4. gun, and tighten clamp.
- 5. Install spray nozzle. Page 10.

6. Fill Touch-up hopper with pre-mixed texture. See Mixing Material, page 9.





7. Turn hopper gun/spray gun selector switch to HOPPER GUN.



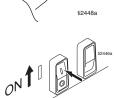
CAUTION Failure to change selector switch to Hopper Gun when

using hopper gun will damage pump hose.

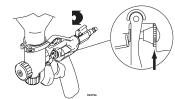
8. Open gun air valve.



9. Turn power switch ON.



10. To achieve uniform spray pattern, adjust air valve and flow adjustment nut on gun. If you do not achieve the desired spray pattern, change nozzles, page 10.



9

ADD WATER

READY

Mixing Material

Correct material mixture is essential. The pump will not operate if the mixture is too thick.

Mix the material in a separate container before pouring it into hopper.

Use Material Thickness Gauge to determine mixture is thin enough to spray.

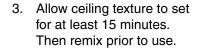
*The Material Thickness Gauge will only determine if the material is thin enough to pass through the pump. For some applications or for higher speed spraying, your mixture may need to be thinner.

Dry Mix - 40 lb (18 kg) bag.

For best results do not use partial bags of material.

 Slowly add one 40 lb. (18 kg) bag of texture material to 5-6 gallons (18.9-22.7 liters) of clean water as instructed on the bag instructions.

 Agitate to mix, using a half-inch, variable speed drill with mixing paddle, to a smooth, lump-free consistency.



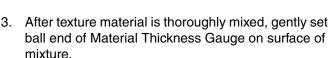
4. After texture material is thoroughly mixed, gently set ball end of Material Thickness Gauge on surface of mixture.

For an accurate test, be sure gauge is completely dry and clean every time it is used.

- 5. Observe the ball on the material. When the material is thin enough to spray the ball will sink completely into the mixture.
- If the ball does not sink completely into the mixture within 10 seconds, add more water, agitate and try test again.

Premix

- Slowly add approximately 2 to 4 qts (1.9 to 3.8 liters) of water to a 5 gallon (18.9 liter) bucket of premix.
- Agitate to mix, using a half-inch, variable speed drill with a mixing paddle, to a smooth, lump-free consistency.



For an accurate test, be sure gauge is completely dry and clean every time it is used.

 Observe the ball in material. When the material is thin enough to spray the ball will sink completely into the mixture.



5. If the ball does not sink completely into the mixture within 10 seconds, add more water, agitate and try test again.



Spray Techniques

Recommended Nozzle Selection Chart

Application	Nozzle Size ²	Air Volume ¹
Simulated Acoustic	6 mm, white (fine to medium) 8 mm, gray (coarse)	medium to high
Orange peel	4 mm, beige, 6 mm, white	medium to high
Splatter coat	6 mm, white 8 mm, gray	low to medium
Knockdown	8 mm, gray 12 mm, black	low

¹Control air volume with gun air valve.

²For more material volume try a larger nozzle.

Adjusting the System

Sufficient fluid output (volume and pressure) and good atomization is a balance of atomozing air, material thickness/material flow and nozzle selection. Achieving the correct balance for your application requires experimentation to achieve desired results. Keep in mind these important points when adjusting gun:

- Select proper nozzle for your application. See Nozzle Selection Chart. Remember, the larger the nozzle, the heavier the pattern.
- Start sprayer with gun air flow valve completely open. If needed, slowly close gun air flow until you get a good spray pattern. Use minimum amount of air at spray gun to achieve proper spray pattern and to minimize bounce back.

+ Test spray pattern on cardboard. Hold gun 18 to 24 in. (45.7 to 60.9 cm) from surface. Use this spraying distance for most applications.

• Air and material flow adjustments are made at the gun on all units. The RTX1000 model allows material flow adjustment at the sprayer also.

+ Opening air valve increases air flow through gun, which decreases texture material flow through pump.

+ Closing air valve decreases air flow through gun, which increases texture material flow through pump.

To Get Less Material

Try one or a combination of these methods:

- Open air valve.
- Turn gun flow adjustment nut to decrease flow, counter-clockwise.
- Use smaller nozzle.
- RTX 1000 model: decrease Material Flow Control.

To Get More Material

Try any one or a combination of these methods:

- Close air valve.
- Turn gun flow adjustment nut to increase flow, clockwise.
- Use thinner material mixture.
- Use a larger nozzle.
- RTX1000 model: increase Material Flow Control.

Preventing Material Surge at Gun Trigger

Pressure will build up in the system when you stop triggering the gun. To prevent material surge at initial gun triggering:

- Point gun away from surface you are spraying when you first pull trigger.
- When you first start to spray, hold the gun away from the surface and gradually work your way closer to it.
- Keep gun moving.
- After you begin spraying, trigger the gun as little as possible.

For Continuous Spraying

Use trigger lock to hold trigger open and reduce fatigue.

Check Material Consistency Periodically

Check and thin material as needed to maintain proper consistency. The material may thicken as it sits and slow down production. Agitate periodically.

Shutdown and Cleanup

Keep pump and hose clean when switching between simulated acoustic, knockdown and orange peel applications. A dirty pump can release particles of texture into the finish.

CAUTION

- Turn off sprayer if you are going to stop spraying for 5 minutes or longer.
- Before removing material hose be sure pressure is relieved and material is not in hose.
- To keep unit in good operating condition, always clean it thoroughly and prepare it properly for storage.



Texture Spraying (6-8 gallon Material Hopper)

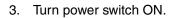
When you have finished spraying:

1. Open gun air valve.

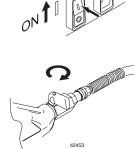


SPRAY GUN

2. Turn hopper gun/spray gun selection switch to SPRAY GUN.



4. Close gun air valve.



- 5. Trigger gun into bucket until most of texture mix is pumped out.
- 6. Fill material hopper with 2-4 gallons of clean water.
- 7. Spray inside material hopper to circulate water through gun and hose. While circulating water, use gun to clean material hopper.



- 8. Partially open gun air valve to use air to achieve better cleaning results.
- 9. Spray water into a waste bucket to empty material hopper.

A soft brush can be used to loosen dried on material.

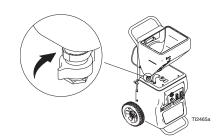
- 10. Turn power switch OFF.
- 11. Open gun air valve. Relieve Pressure, page 5.

If water freezes in unit damage may occur. In cold weather store system where it will not freeze.

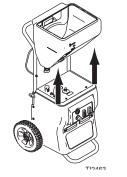
Removing Material Hopper from Sprayer

The material hopper can be removed for cleaning. To remove material hopper:

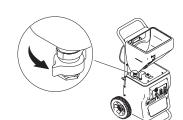
1. Loosen bottom fitting.



2. Lift material hopper straight up, off unit.



- 3. Plug opening on bottom of material hopper with your hand.
- 4. Take hopper to cleaning area.
- To reassemble:
- Place material hopper on sprayer, aligning fitting to sprayer.



2. Hand tighten fitting.

Touch-up Hopper Attachment

When you have finished spraying

- 1. Shut off compressor. Disconnect air line from gun.
- 2. Drain material into a bucket until most of the texture material is out of hopper.



- Fill hopper with clean water. Remove nozzle from gun and allow water to flow through and out of gun.
- 4. Flush until gun is clean
- 5. Turn power switch ON.
- 6. Open gun air valve.
- 7. Trigger gun to blow air through tip, clearing out any remaining material.
- 8. Remove hopper from gun and finish cleaning all components. A soft brush may be used to help loosen any dried on material from surface.

Be sure to keep air passages in needle clean and free of material.

To improve working condition for future use, after cleaning, apply a few drops of light oil to:

- air hose quick disconnect
- material hose connections
- flow adjustment on gun

Transporting the Sprayer

The handle and hopper can be removed from the sprayer for storage or transporting.

To remove hopper from sprayer, follow the procedure described on page 12.

To remove the handle:

- 1. Loosen the two (2) wing-nut screws on either side of the handle.
- 2. Squeeze the handle together.
- 3. Remove.



Troubleshooting



Pressure Relief, page 5

Problem	Cause	Solution
Sprayer won't run	Power switch not on	Turn switch on.
	No power at wall outlet	Check outlet by plugging in another appliance. If appliance does not work, try another outlet.
	Wrong size generator	Use a 3500 watt or larger generator. Refer to Generator Requirements, page 5
	Too many items on same circuit	Unplug other items from circuit
	Extension cord too long or wrong gauge	Use a different extension cord. Refer to Grounding and Electric Require- ments, page 5
	Breaker tripped	Reset breaker
Pump won't pump material	Air lock	Open air valve on gun
	Selector switch in wrong position	Move selector switch to correct posi- tion for application
	Mix too thick	Add water to thin material. Use Mate- rial Thickness Gauge.
	Loose fittings	Check and retighten all fittings
	Plugged gun	Relieve Pressure, page 5. Remove gun from hose. Clean gun.
	Pump hose worn out	Replace hose. Recommended hose replacement - every 2000-2500 gal- lons.
	Pump cold	Move pump to warm room and allow it to warm up or run hot water through sprayer.
Material runs out of bottom of sprayer	Pump hose worn out	Replace hose
	Loose fittings	Check and retighten all fittings
No air from compressor	Gun air valve closed	Open gun air valve
	Low voltage	Check extension cord length and gauge. Replace if different than rec- ommended. Refer to Grounding and Electrical Requirements, page 5.
	Gun needle plugged	Clean needle and retry.
	Worn compressor	Replace compressor. Contact a qual- ified Graco Service Center.
	Lines not connected	Check all quick disconnect connec- tions to gun and hoses
	Damaged hose	Replace hose

Problem	Cause	Solution
Speed of application slow or slower	Material too thick	Thin material.
	Nozzle too small	Change nozzles to a larger size. See Recommended Nozzle Selection Chart, page 10.
	Too much air being used.	Partially close gun air valve to reduce air flow.
	Flow control (RTX 1000 model) set too low	Increase flow control setting
	Pump hose worn	Replace hose.
	Plugged or dirty gun	Relieve Pressure, page 5. Clean gun.
	Kinked hose	Unkink hose.
	Gun adjustment set too low	Increase flow adjustment with flow adjustment nut.
Intermittent flow/sputtering	Hopper connection not tight	Check gasket. Tighten connection.
	Debris in system	Clean
Quick disconnect does not stay con- nected.	Dirty or corroded fitting	Clean thoroughly. Soak in oil. Apply a few drops of light oil.
Gun will not shut off	Worn nozzle or needle.	Relieve Pressure, page 5. Replace worn parts.
	Debris in needle passage	Relieve Pressure, page 5. Clean.
Fluid leaking at Flow Adjustment Nut	Damaged seal.	Relieve Pressure, page 5. Replace seal.
Fluid leaking out of either plug	Missing or damaged o-rings	Relieve Pressure, page 5. Replace o-rings.
	Gun damaged	Replace gun
Needle adjustment won't adjust	Dirty threads	Clean threads
	Nozzle not on gun	Put nozzle on gun

Technical Data

Main unit power requirements Maximum fluid working pressure Maximum air working pressure Compressor specifications Compressor air displacement Generator required Electric Motor Material motor Compressor motor Power Cord Material hopper capacity

Maximum delivery with texture Dimensions: RTX 750 Length Width Height

Weight

Dimensions: RTX 1000 Length Width Height

Weight

Wetted parts Sound data

Sound pressure level* Sound power level** Storage Temperature Range Operating Temperature Range Gun: Maximum Working Pressure Air Maximum Working Pressure CFM Rating Weight

*Measured while spraying at 1 m. **Measured per ISO-3744 120 Vac, 60 Hz, 15A, 1 phase
60 psi, (4.137 bar)
45 psi (3.10 bar)
Universal motor thermally protected, oil-less
4.5 displacement scfm at 30 psi
3500W minimum

Capacitor start AC 2.8A/1/3 hp AC, open frame Universal AC 10.5A 16 AWG, 3-wire, 25 ft Model 246183: 6 gallons Model 246184: 8 gallons

Gun material hopper: 3/4 gallon

1 to 1.5 gpm (3.8 to 5.7 lpm)

23 in. (584 mm) with handle 24 in. (610 mm) 40 in. (1016 mm)

75 lb (34 kg)

23 in. (584 mm) with handle 24 in. (610 mm) 40 in. (1016 mm)

80 lb (36 kg)

brass, aluminum, plastic

83.2 dB(A) 97.5 dB(A) 35°F - 160°F (1.6°C - 71°C) 40°F - 115°F (4°C - 46°C)

60 psi (4.137 bar) 100 psi (6.895 bar) 3.5 - 11 CFM 1.1 lb (500 g)

Graco Warranty

Graco warrants all equipment referenced in this document which is manufactured by Graco and bearing its name to be free from defects in material and workmanship on the date of sale to the original purchaser for use. With the exception of any special, extended, or limited warranty published by Graco, Graco will, for a period of twelve months from the date of sale, repair or replace any part of the equipment determined by Graco to be defective. This warranty applies only when the equipment is installed, operated and maintained in accordance with Graco's written recommendations.

Graco warrants all equipment referenced in this document which is manufactured by Graco and bearing its name to be free from defects in material and workmanship on the date of sale by an authorized Graco distributor to the original purchaser for use. With the exception of any special, extended, or limited warranty published by Graco, Graco will, for a period of twelve months from the date of sale, repair or replace any part of the equipment determined by Graco to be defective. This warranty applies only when the equipment is installed, operated and maintained in accordance with Graco's written recommendations.

This warranty does not cover, and Graco shall not be liable for general wear and tear, or any malfunction, damage or wear caused by faulty installation, misapplication, abrasion, corrosion, inadequate or improper maintenance, negligence, accident, tampering, or substitution of non-Graco component parts. Nor shall Graco be liable for malfunction, damage or wear caused by the incompatibility of Graco equipment with structures, accessories, equipment or materials not supplied by Graco, or the improper design, manufacture, installation, operation or maintenance of structures, accessories, equipment or materials not supplied by Graco.

This warranty is conditioned upon the prepaid return of the equipment claimed to be defective to an authorized Graco distributor for verification of the claimed defect. If the claimed defect is verified, Graco will repair or replace free of charge any defective parts. The equipment will be returned to the original purchaser transportation prepaid. If inspection of the equipment does not disclose any defect in material or workmanship, repairs will be made at a reasonable charge, which charges may include the costs of parts, labor, and transportation.

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Graco's sole obligation and buyer's sole remedy for any breach of warranty shall be as set forth above. The buyer agrees that no other remedy (including, but not limited to, incidental or consequential damages for lost profits, lost sales, injury to person or property, or any other incidental or consequential loss) shall be available. Any action for breach of warranty must be brought within two (2) years of the date of sale.

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