

# Power-Lock™ Heated Hose

309572ZAF  
EN

**For use with plural component proportioners. For professional use only.  
Not approved for use in European explosive atmospheres.**

*See page 3 for Maximum Fluid Working Pressure*

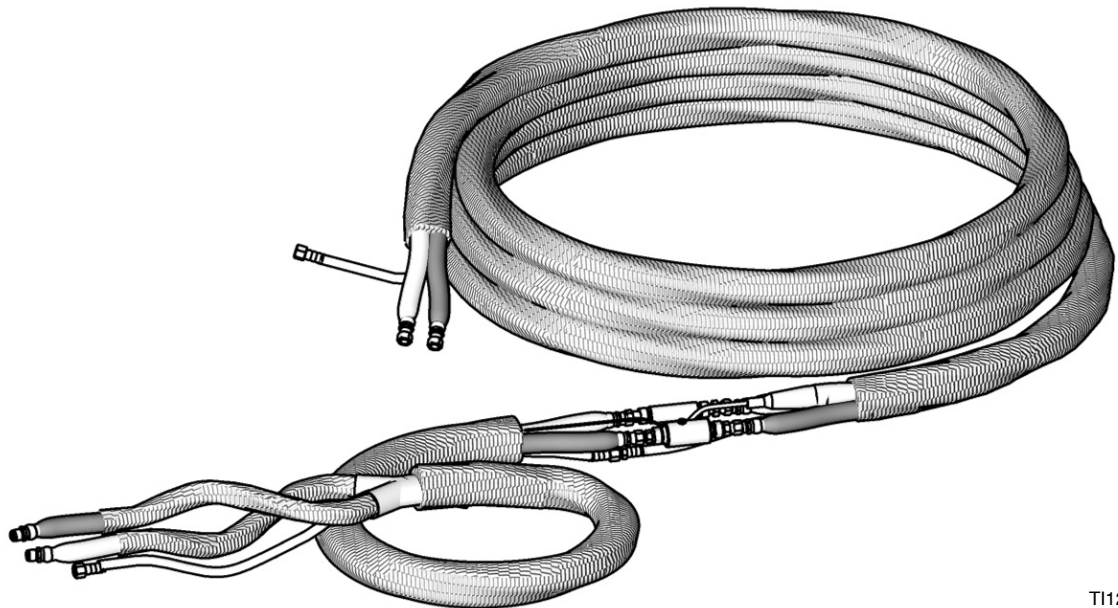
*130 psi (0.9 MPa, 9 bar) Maximum Air Working Pressure*

*180°F (82°C) Maximum Hose Operating Temperature*



### **Important Safety instructions.**

Read all warnings and instructions in this manual.  
Save these instructions. See page 3 for a list of  
part numbers.



TI12157a

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# Power-Lock Hose Bundle Part Numbers

You need at least one 50 ft (15.2 m) main hose, one fluid temperature sensor (FTS), and one whip hose or one wire harness jumper (part no. 261821) to make a complete heated hose assembly. Be sure the selected hose meets your maximum pressure and hose diameter requirements.

## Whip Hoses

Hose Assembly	Length ft (m)	ID in. (mm)	Heated	Standard Braided Scuff Guard	Xtreme-Wrap Scuff Guard	Hose Fittings	
						"A" inlet (f)/ outlet (m)	"B" inlet (f)/ outlet (m)
<b>2000 psi (13.8 MPa, 138 bar)</b>							
246050	10 (3)	1/4 (6)	✓		✓	-5 JIC	-6 JIC
249586	3 (0.9)	1/4 (6)	✓	✓		-5 JIC	-6 JIC
256407	6 (1.8)	1/4 (6)	NA	NA	NA	-5 JIC	-6 JIC
<b>3500 psi (24.1 MPa, 241 bar)</b>							
246055	10 (3)	1/4 (6)	✓		✓	-5 JIC	-6 JIC
246056	10 (3)	3/8 (10)	✓	✓		-5 JIC	-6 JIC
256626	6 (1.8)	1/4 (6)	NA	NA	NA	-5 JIC	-6 JIC
261686	10 (3)	3/8 (10)	◆	✓		-5 JIC	-6 JIC
<b>5000 psi (34.5 MPa, 345 bar)</b>							
258701	10 (3)	1/4 (6)	✓	✓		-5 JIC	-6 JIC

◆ Individual heated A and B lines.

## Adapter Fittings

Use adapter fittings to connect a hose assembly to a fluid manifold and/or a FTS. Use JIC swivel fittings to connect a female FTS to male end hoses and/or npt female ball valves on mix manifold inlets.

Part	Hose Fittings	
	End #1	End #2
<b>4500 psi (31 MPa, 310 bar)</b>		
117833	3/8 npt (m)	-8 JIC (m)
<b>5000 psi (34.5 MPa, 345 bar)</b>		
116702	1/4 npt (m)	-10 JIC (m)
116703	1/4 npt (m)	-8 JIC (m)
116704	1/4 npt (m)	-6 JIC (m)
116765	3/8 npt (m)	-10 JIC (m)
117506	1/4 npt (m)	-6 JIC (f), swivel
117832	3/8 npt (m)	-6 JIC (m)
119998	1/4 npt (m)	-5 JIC (m)
122406	3/8 npt (m)	-5 JIC (m)
126327	3/8 npt (m)	-6 JIC (f), swivel
126328	3/8 npt (m)	-8 JIC (f), swivel
126329	1/2 npt (m)	-8 JIC (f), swivel
126330	1/2 npt (m)	-10 JIC (f), swivel
126339	3/8 npt (m)	-10 JIC (f), swivel

Part	Hose Fittings	
	End #1	End #2
<b>6000 psi (41 MPa, 414 bar)</b>		
117595	1/4 npt (m)	-6 JIC (f), swivel
126431	1/2 npt (m)	-6 JIC (f), swivel
126432	1/2 npt (m)	-6 JIC (f), 45°
<b>7250 psi (50 MPa, 500 bar)</b>		
100206	1/2 npt (m)	1/4 (f)
121433	1/2 npt (m)	3/8 (f)
159841	3/8 npt (m)	1/4 (f)
<b>7400 psi (51 MPa, 510 bar)</b>		
158491	1/2 npt (m)	1/2 (m)
159239	1/2 npt (m)	3/8 (m)
162449	1/2 npt (m)	1/4 (m)
<b>7500 psi (52 MPa, 517 bar)</b>		
156971	1/4 npt (m)	1/4 (m)
<b>8000 psi (55 MPa, 552 bar)</b>		
164856	1/4 npt (m)	3/8 (m)

## Standard 2 Component Hose

Hose Assembly	Length ft (m)	ID in. (mm)	FTS Cable	Standard Braided Scuff Guard	Xtreme-Wrap Scuff Guard	Hose Fittings		"A" Red Hose	"B" Blue Hose
						"A" inlet (f)/ outlet (m)	"B" inlet (f)/ outlet (m)		
<b>2000 psi (13.8 MPa, 138 bar)</b>									
246045	50 (15.2)	1/4 (6)	✓			-5 JIC	-6 JIC	246059	246060
246046	50 (15.2)	3/8 (10)	✓			-5 JIC	-6 JIC	246061	246062
246047	50 (15.2)	1/2 (13)	✓			-8 JIC	-10 JIC	246063	246064
246074	50 (15.2)	1/4 (6)				-5 JIC	-6 JIC	246059	246060
246075	50 (15.2)	3/8 (10)				-5 JIC	-6 JIC	246061	246062
246076	50 (15.2)	1/2 (13)				-8 JIC	-10 JIC	246063	246064
246678	50 (15.2)	3/8 (10)	✓	✓		-5 JIC	-6 JIC	246061	246062
24Y678	50 (15.2)	3/8 (10)	✓		✓	-5 JIC	-6 JIC	246061	246062
256549	50 (15.2)	3/8 (10)		✓		-5 JIC	-6 JIC	246061	246062
24Y549	50 (15.2)	3/8 (10)			✓	-5 JIC	-6 JIC	246069	246070
249587	25 (7.6)	1/4 (6)				-5 JIC	-6 JIC	246065	246066
261328	25 (7.6)	3/8 (10)				-5 JIC	-6 JIC	246094	246095
246048	25 (7.6)	1/4 (6)	✓			-5 JIC	-6 JIC	246065	246066
246049	25 (7.6)	3/8 (10)	✓			-5 JIC	-6 JIC	246094	246095
<b>3500 psi (24.1 MPa, 241 bar)</b>									
246052	50 (15.2)	1/4 (6)	✓			-5 JIC	-6 JIC	246067	246068
246053	50 (15.2)	3/8 (10)	✓			-5 JIC	-6 JIC	246069	246070
246054	50 (15.2)	1/2 (13)	✓			-8 JIC	-10 JIC	246071	246072
249588	50 (15.2)	3/8 (10)				-5 JIC	-6 JIC	246069	246070
246679	50 (15.2)	3/8 (10)	✓	✓		-5 JIC	-6 JIC	246069	246070
24Y679	50 (15.2)	3/8 (10)	✓		✓	-5 JIC	-6 JIC	246069	246070
256548	50 (15.2)	1/2 (13)	✓	✓		-8 JIC	-10 JIC	246071	246072
261335	50 (15.2)	1/2 (13)				-8 JIC	-10 JIC	246071	246072
<b>5000 psi (34.5 MPa, 345 bar)</b>									
261332	25 (7.6)	3/8 (10)				-5 JIC	-6 JIC		
262203	50 (15.2)	3/8 (10)	✓			-5 JIC	-6 JIC	15E751	15E752

## RTD 2-Component Hose (for use with GCA Controlled Reactors)

Hose Assembly	Length ft (m)	ID in. (mm)	RTD Cable	Standard Braided Scuff Guard	Xtreme-Wrap Scuff Guard	CAN Cable	Hose Fittings		"A" Red Hose	"B" Blue Hose
							"A" inlet (f)/ outlet (m)	"B" inlet (f)/ outlet (m)		
<b>2000 psi (13.8 MPa, 138 bar)</b>										
24K240	50 (15.2)	3/8 (10)	✓	✓			-5 JIC	-6 JIC	246061	246062
24Y240	50 (15.2)	3/8 (10)	✓		✓		-5 JIC	-6 JIC	246061	246062
24K394	50 (15.2)	3/8 (10)	✓	✓		✓	-5 JIC	-6 JIC	246061	246062
24T839	50 (15.2)	3/8 (10)	✓				-5 JIC	-6 JIC	246061	246062
24Y394	50 (15.2)	3/8 (10)	✓		✓	✓	-5 JIC	-6 JIC	246061	246062
24N000	50 (15.2)	1/2 (13)	✓	✓			-8 JIC	-10 JIC	246063	246064

Hose Assembly	Length ft (m)	ID in. (mm)	RTD Cable	Standard Braided Scuff Guard	Xtreme-Wrap Scuff Guard	CAN Cable	Hose Fittings		"A" Red Hose	"B" Blue Hose
							"A" inlet (f)/outlet (m)	"B" inlet (f)/outlet (m)		
24N001	50 (15.2)	1/2 (13)	✓	✓		✓	-8 JIC	-10 JIC	246063	246064
<b>3500 psi (24.1 MPa, 241 bar)</b>										
24K241	50 (15.2)	3/8 (10)	✓	✓			-5 JIC	-6 JIC	246069	246070
24Y241	50 (15.2)	3/8 (10)	✓		✓		-5 JIC	-6 JIC	246069	246070
24K395	50 (15.2)	3/8 (10)	✓	✓		✓	-5 JIC	-6 JIC	246069	246070
24Y395	50 (15.2)	3/8 (10)	✓		✓	✓	-5 JIC	-6 JIC	246069	246070
24U743	50 (15.2)	3/8 (10)	✓				-5 JIC	-6 JIC	246069	246070
24N002	50 (15.2)	1/2 (13)	✓	✓			-8 JIC	-10 JIC	246071	246072
24N003	50 (15.2)	1/2 (13)	✓	✓		✓	-8 JIC	-10 JIC	246071	246072

## Airless 2 Component Hose

Hose Assembly	Length ft (m)	ID in. (mm)		FTS Cable	Standard Braided Scuff Guard	Hose Fittings		"A" Red Hose	"B" Blue Hose	
		"A"	"B"			"A" inlet (f)/outlet (m)	"B" inlet (f)/outlet (m)			
<b>5000 psi (34.5 MPa, 345 bar)</b>										
248907	50 (15.2)	1/4 (6)	3/8 (10)	✓		-5 JIC	-6 JIC	15E750	15E752	
248908	50 (15.2)	3/8 (10)	3/8 (10)	✓		-5 JIC	-6 JIC	15E751	15E752	
262727	50 (15.2)	1/2 (13)	1/4 (6)	✓		-8 JIC	-6 JIC	262719	262718	
262728	50 (15.2)	1/2 (13)	3/8 (10)	✓		-8 JIC	-6 JIC	262719	15E752	
262730	50 (15.2)	1/2 (13)	1/2 (13)	✓		-8 JIC	-10 JIC	262719	262720	

## Custom Application 2 Component Hose

Hose Assembly	Length ft (m)	ID in. (mm)		FTS Cable	Standard Braided Scuff Guard	Hose Fittings		"A" Red Hose	"B" Blue Hose	
		"A"	"B"			"A" inlet (f)/outlet (m)	"B" inlet (f)/outlet (m)			
<b>2000 psi (13.8 MPa, 138 bar)</b>										
255089	50 (15.2)	1/4 (6)	3/8 (10)	✓	✓	-5 JIC	-6 JIC	246059	246062	
261329	50 (15.2)	3/8 (10)	3/8 (10)	✘		-5 JIC	-6 JIC	246061	246062	
<b>3500 psi (24.1 MPa, 241 bar)</b>										
247164	50 (15.2)	1/4 (6)	3/8 (10)	✓	✓	-5 JIC	-6 JIC	246067	246070	
261336	50 (15.2)	3/8 (10)	1/2 (13)	✓		-5 JIC	-6 JIC	246069	246072	
261337	50 (15.2)	1/4 (6)	3/8 (10)	‡		-5 JIC	-6 JIC	246067	246070	
261334	50 (15.2)	3/8 (10)	3/8 (10)	‡		-5 JIC	-6 JIC	246069	246070	

✘ Stranded wire (no connectors).

‡ Two FTS cables and two sets of standard wires.

## Fluid Temperature Sensor (FTS) Kits

Part No.	"A" Side			"B" Side		
	Inlet	Outlet	FTS Probe	Inlet	Outlet	FTS Probe
<b>5000 psi (34.5 MPa, 345 bar)</b>						
261669	-5 JIC	-5 JIC	✓	-6 JIC	-6 JIC	
261670	-5 JIC	1/4 NPT		-6 JIC	3/8 NPT	✓
<b>7250 psi (50 MPa, 500 bar)</b>						
24M943	1/2 npt (f)	1/2 (npt (f)	✓	1/2 npt (f)	1/2 (npt (f)	

## Fluid Temperature Sensor Kits (FTS, RTD; for use with GCA Controlled Systems)






Part No.	"A" Side			"B" Side		
	Inlet	Outlet	RTD Probe	Inlet	Outlet	RTD Probe
<b>5000 psi (34.5 MPa, 345 bar)</b>						
24K207	-5 JIC	-5 JIC	✓	-6 JIC	-6 JIC	
<b>7250 psi (50 MPa, 500 bar)</b>						
24M944	1/2 npt (f)	1/2 (npt (f)	✓	1/2 npt (f)	1/2 (npt (f)	

### FTS kits contain:


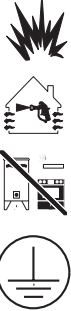

- FTS Sensor
- FTS coupler fitting (5b) for equal length on other line.
- Adapter fittings as necessary. See **Adapter Fittings**, page 3.
- Foam tube insulation to cover fittings and FTS.
- 3.75 in. (95.25 mm) air line jumper hose (except kit 261670).

# Warnings

The following warnings are for the setup, use, grounding, maintenance, and repair of this equipment. The exclamation point symbol alerts you to a general warning and the hazard symbol refers to procedure-specific risk. When these symbols appear in the body of this manual, refer back to these Warnings. Product-specific hazard symbols and warnings not covered in this section may appear throughout the body of this manual where applicable.


 <b>WARNING</b>	
	<p><b>ELECTRIC SHOCK HAZARD</b></p> <p>The hoses must be grounded. Improper grounding, set-up or usage of the hoses can cause electric shock.</p> <ul style="list-style-type: none"> <li>• Turn off and disconnect power before installing or servicing hoses.</li> <li>• Connect to grounded power source.</li> <li>• All electrical wiring must be done by a qualified electrician and comply with all local codes and regulations.</li> <li>• Never cut or puncture a hose cover.</li> <li>• Do not expose to rain. Store indoors.</li> </ul>
	<p><b>SKIN INJECTION HAZARD</b></p> <p>High-pressure fluid from hose leaks, or ruptured components will pierce skin. This may look like just a cut, but it is a serious injury that can result in amputation. <b>Get immediate surgical treatment.</b></p> <ul style="list-style-type: none"> <li>• Inspect hose before each use for cuts, bulges, kinks or any other damage.</li> <li>• Replace damaged hose immediately.</li> <li>• Replace hoses proactively at regular intervals based on your operating conditions.</li> <li>• Tighten all fluid connections before operating the equipment.</li> <li>• Keep clear of leaks.</li> <li>• Do not stop or deflect leaks with your hand, body, glove, or rag.</li> <li>• Never exceed hose Maximum Pressure or Temperature ratings.</li> <li>• Only use chemicals that are compatible with wetted parts. See <b>Technical Data</b> in this manual. Read MSDSs and fluid and solvent manufacturer's recommendations.</li> <li>• Follow the <b>Pressure Relief Procedure</b> when you stop spraying/dispensing and before cleaning, checking, or servicing equipment.</li> </ul>
	<p><b>THERMAL EXPANSION HAZARD</b></p> <p>Fluids subjected to heat in confined spaces, including hoses, can create a rapid rise in pressure due to the thermal expansion. Over-pressurization can result in equipment rupture and serious injury.</p> <ul style="list-style-type: none"> <li>• Open a valve to relieve the fluid expansion during heating.</li> <li>• Replace hoses proactively at regular intervals based on your operating conditions.</li> </ul>
	<p><b>BURN HAZARD</b></p> <p>Equipment surfaces and fluid that's heated can become very hot during operation. To avoid severe burns:</p> <ul style="list-style-type: none"> <li>• Do not touch hot fluid or equipment.</li> </ul>

# ! WARNING

	<p><b>TOXIC FLUID OR FUMES HAZARD</b></p> <p>Toxic fluids or fumes can cause serious injury or death if splashed in the eyes or on skin, inhaled, or swallowed.</p> <ul style="list-style-type: none"> <li>• Read MSDSs to know the specific hazards of the fluids you are using.</li> <li>• Store hazardous fluid in approved containers, and dispose of it according to applicable guidelines.</li> <li>• Always wear chemically impermeable gloves when spraying, dispensing, or cleaning equipment.</li> </ul>
	<p><b>FIRE AND EXPLOSION HAZARD</b></p> <p>Flammable fumes, such as solvent and paint fumes, in <b>work area</b> can ignite or explode. To help prevent fire and explosion:</p> <ul style="list-style-type: none"> <li>• Use equipment only in well ventilated area.</li> <li>• Eliminate all ignition sources; such as pilot lights, cigarettes, portable electric lamps, and plastic drop cloths (potential static arc).</li> <li>• Keep work area free of debris, including solvent, rags and gasoline.</li> <li>• Do not plug or unplug power cords, or turn power or light switches on or off when flammable fumes are present.</li> <li>• Ground all equipment in the work area. See <b>Grounding</b> instructions.</li> <li>• Use only grounded hoses.</li> <li>• Hold gun firmly to side of grounded pail when triggering into pail.</li> <li>• If there is static sparking or you feel a shock, <b>stop operation immediately</b>. Do not use equipment until you identify and correct the problem.</li> <li>• Keep a working fire extinguisher in the work area.</li> </ul>
	<p><b>EQUIPMENT MISUSE HAZARD</b></p> <p>Misuse can cause death or serious injury.</p> <ul style="list-style-type: none"> <li>• Do not operate the unit when fatigued or under the influence of drugs or alcohol.</li> <li>• Do not exceed the maximum working pressure or temperature rating of the lowest rated system component. See <b>Technical Data</b> in all equipment manuals.</li> <li>• Use fluids and solvents that are compatible with equipment wetted parts. See <b>Technical Data</b> in all equipment manuals. Read fluid and solvent manufacturer's warnings. For complete information about your material, request MSDS from distributor or retailer.</li> <li>• Do not leave the work area while equipment is energized or under pressure. Turn off all equipment and follow the <b>Pressure Relief Procedure</b> when equipment is not in use.</li> <li>• Check equipment daily. Repair or replace worn or damaged parts immediately with genuine manufacturer's replacement parts only.</li> <li>• Do not alter or modify equipment.</li> <li>• Use equipment only for its intended purpose. Call your distributor for information.</li> <li>• Route hoses and cables away from traffic areas, sharp edges, moving parts, and hot surfaces.</li> <li>• Do not kink or over bend hoses or use hoses to pull equipment.</li> <li>• Keep children and animals away from work area.</li> <li>• Comply with all applicable safety regulations.</li> </ul>








# ! WARNING




	<p><b>PERSONAL PROTECTIVE EQUIPMENT</b></p> <p>You must wear appropriate protective equipment when operating, servicing, or when in the operating area of the equipment to help protect you from serious injury, including eye injury, hearing loss, inhalation of toxic fumes, and burns. This equipment includes but is not limited to:</p> <ul style="list-style-type: none"> <li>• Protective eyewear, and hearing protection.</li> <li>• Respirators, protective clothing, and gloves as recommended by the fluid and solvent manufacturer.</li> </ul>
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## Important Two-Component Material Information



### Isocyanate Conditions

						
<p>Spraying or dispensing materials containing isocyanates creates potentially harmful mists, vapors, and atomized particulates.</p> <p>Read material manufacturer's warnings and material MSDS to know specific hazards and precautions related to isocyanates.</p> <p>Prevent inhalation of isocyanate mists, vapors, and atomized particulates by providing sufficient ventilation in the work area. If sufficient ventilation is not available, a supplied-air respirator is required for everyone in the work area.</p> <p>To prevent contact with isocyanates, appropriate personal protective equipment, including chemically impermeable gloves, boots, aprons, and goggles, is also required for everyone in the work area.</p>						

### Keep Components A and B Separate

						
<p>Cross-contamination can result in cured material in fluid lines which could cause serious injury or damage equipment. To prevent cross-contamination of the equipment's wetted parts, <b>never</b> interchange component A (isocyanate) and component B (resin) parts.</p>						

### Material Self-ignition

						
<p>Some materials may become self-igniting if applied too thickly. Read material manufacturer's warnings and material MSDS.</p>						

## Moisture Sensitivity of Isocyanates

Isocyanates (ISO) are catalysts used in two component foam and polyurea coatings. ISO will react with moisture (such as humidity) to form small, hard, abrasive crystals, which become suspended in the fluid. Eventually a film will form on the surface and the ISO will begin to gel, increasing in viscosity. If used, this partially cured ISO will reduce performance and the life of all wetted parts.

**NOTE:** The amount of film formation and rate of crystallization varies depending on the blend of ISO, the humidity, and the temperature.

To prevent exposing ISO to moisture:

- Always use a sealed container with a desiccant dryer in the vent, or a nitrogen atmosphere. **Never** store ISO in an open container.
- Keep the ISO lube pump reservoir (if installed) filled with Graco® Throat Seal Liquid (TSL™), Part 206995. The lubricant creates a barrier between the ISO and the atmosphere.
- Use moisture-proof hoses specifically designed for ISO, such as those supplied with your system.
- Never use reclaimed solvents, which may contain moisture. Always keep solvent containers closed when not in use.
- Never use solvent on one side if it has been contaminated from the other side.
- Always lubricate threaded parts with ISO pump oil or grease when reassembling.

## Foam Resins with 245 fa Blowing Agents

Some foam blowing agents will froth at temperatures above 90°F (33°C) when not under pressure, especially if agitated. To reduce frothing, minimize preheating in a circulation system.

## Changing Materials

- When changing materials, flush the equipment multiple times to ensure it is thoroughly clean.
- Always clean the fluid inlet strainers after flushing.
- Check with your material manufacturer for chemical compatibility.
- Most materials use ISO on the A side, but some use ISO on the B side.
- Epoxies often have amines on the B (hardener) side. Polyureas often have amines on the B (resin) side.

# Installation


## Description



The heated hose maintains proper fluid temperature while spraying.

Fluid hoses are marked with red tape for ISO/hardener/minor volume side, blue tape for RES/resin/major volume side. Fittings have different sized threads to prevent incorrect connection, which can cause fluid crossover and permanently damage the hose.

Hoses are 50 ft (15.2 m) or 25 ft (7.6 m) long. The whip hose is 10 ft (3 m) long or less.

 To heat the major volume hose only in a wide ratio system, see **15F144 Hose Wire Jumper**, page 30.

## Connect Whip Hose to Gun or Gun Manifold



Install hose in a helix configuration for:

- Easy gun movement
- Large spraying motion
- Ability to spray in tight areas and odd angles
- Reduced operator fatigue
- Maximum hose life

1. Overlap A and B component hoses and assemble to gun or gun manifold fittings as shown in FIG. 1.

2. Tighten fittings to A and B component hoses. Ensure hose remains flat after fittings are tightened. Loosen and retighten fittings as necessary to eliminate any torque on hoses. This will help achieve a flat profile on the hose.

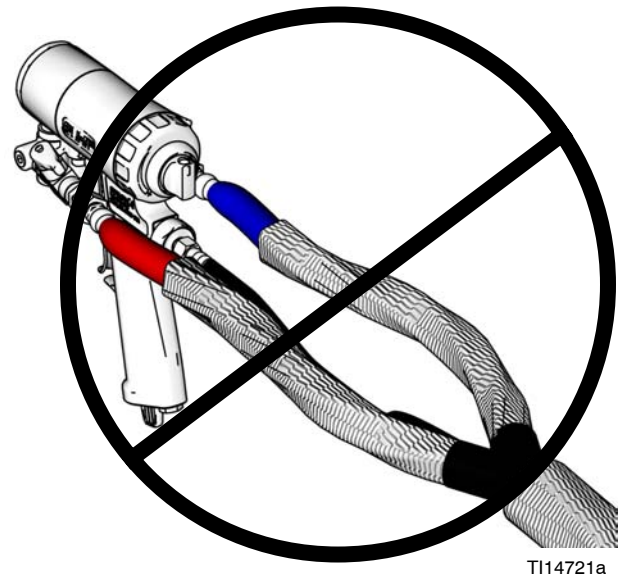
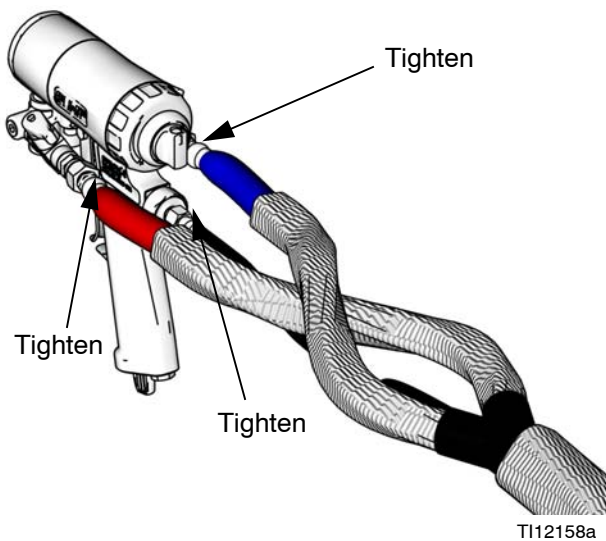
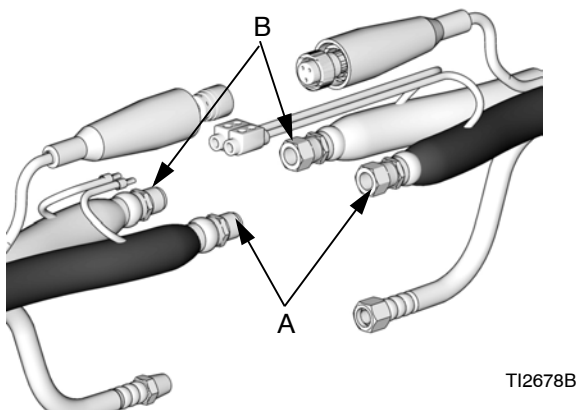


FIG. 1

## Connect Heated Hoses



1. Lay heated hoses end to end, matching the color coding. Red for component A (ISO), blue for component B (RES).



**FIG. 2**

TI2678B

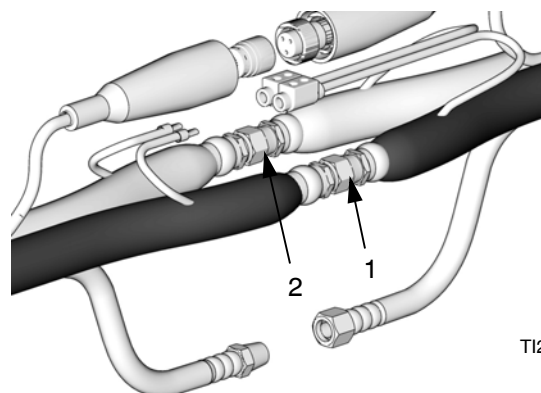
2. Connect fluid hoses (1, 2) and tighten. See maximum torque specifications below and FIG. 3. Do not over-torque.

Torque 1/4 in. (6.4 mm) and 3/8 in. (9.5 mm) ID hoses to:

- A side to 14 ft-lb (19 N•m).
- B side to 20 ft-lb (27 N•m).


Torque 1/2 in. (13 mm) ID hoses to:

- A side to 43 ft-lb (58 N•m).
- B side to 55 ft-lb (74 N•m).



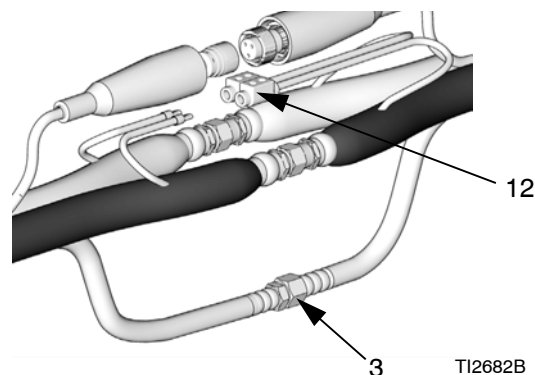
TI2679B

**FIG. 3**

 Do not connect the main air supply at this time.

Some insulated heated hoses do not contain an air hose.

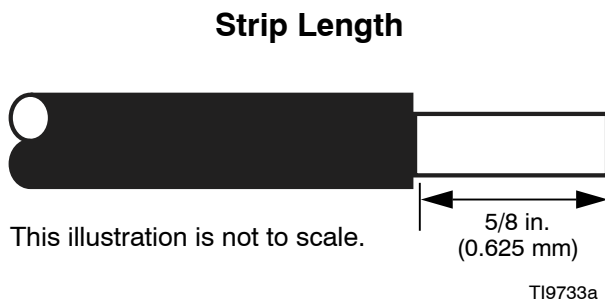
3. Connect air hoses (3).



TI2682B

**FIG. 4**

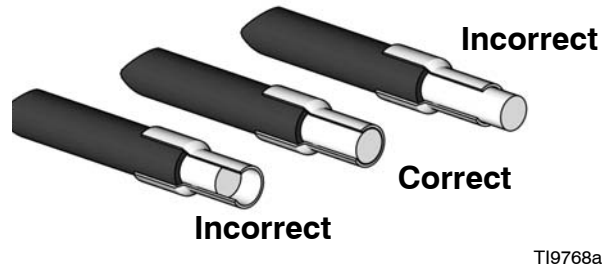
4. Connect electrical wires.
  - a. Ensure electrical wires ends are 5/8 in. (15.9 mm) long. If they are not, use a sharp scissors to strip all four wire ends to the correct length. See Strip Length Gauge for correct length.



**FIG. 5**

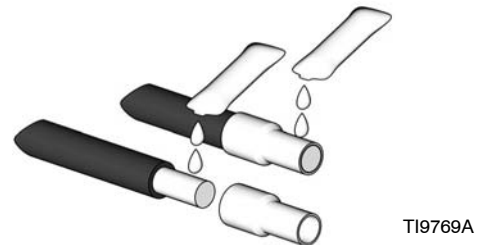
- Be careful not to cut or nick copper strands. If more than five strands are cut or nicked, trim wire and re-strip.
- New hoses are pre-stripped at correct length; remove insulation to expose bare wire.
  - a. Ensure strip length is correct by fitting ferrule over exposed wire. Ferrule should be flush with wire end. See FIG. 6.
- On some older heated hoses wire insulation will not fit inside ferrule insulator. In these cases, use scissors to split and remove ferrule insulator.

- b. If wire is short of ferrule end, adjust strip length accordingly. If bare wire is protruding from ferrule, trim flush to ferrule end. See FIG. 6.




**FIG. 6**

- c. Remove ferrule and apply oxide inhibitor to bare wire. See FIG. 7.
- d. Reinsert wire in ferrule and apply more oxide inhibitor to ferrule and wire end.

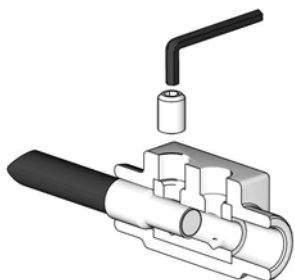


**FIG. 7**

5. Pair electrical wires as follows: A-Hose to A-Hose; B-Hose to B-Hose.


 When connecting first hose section to proportioner, wire pairing does not make a difference.

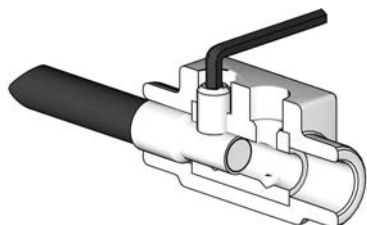
- a. Insert one wire from heated hose into connector. Ensure that ferrule is mating with connector insert. See FIG. 8.



**FIG. 8: Insert Wire and Setscrew**

- b. Thread in setscrew and use hex wrench to torque setscrew to 60 in-lbs (6.78 N•m).

 To reach approximately 60 in-lbs (6.78 N•m), complete 4.5 revolutions with hex wrench after setscrew comes in contact with ferrule.




**FIG. 9: Torque Setscrew**

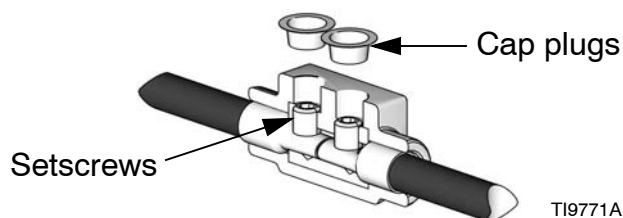
- c. Insert remaining wire from pair into connector; ensure proper insertion depth. Thread setscrew and torque to 60 in-lbs (6.78 N•m); see sub-step B. See FIG. 8 and FIG. 9.

- d. Repeat sub-steps A through C for remaining wire pair.

- e. Re-torque all four setscrews to 60 in-lbs (6.78 N•m).

 When torqued to 60 in-lbs (6.78 N•m) setscrews will be approximately flush with connector. See FIG. 10.

- f. Insert cap plugs over setscrews. See FIG. 10.



**FIG. 10**

- g. Wrap connector and wire on each side of connector in black electrical tape to help seal out moisture. Ensure 1 in. (25.4 mm) of wire on each side of connector is wrapped.

6. For non-RTD hoses only, connect cables (4). Slide insulator sleeves (S) over connection. Leave slack in cables as stress relief to prevent cable failure.

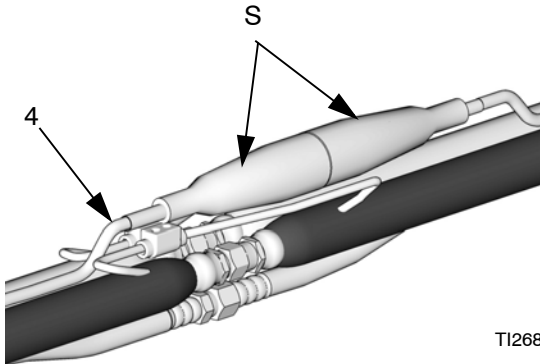


FIG. 11

7. For RTD 2-component hoses only, connect RTD cables (4) and CAN cables (5) if present.

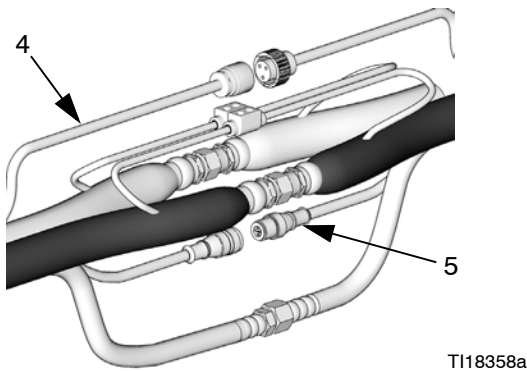


FIG. 12

8. Repeat for additional hoses.
9. See **Connect FTS and Heated Dual Whip Hose**, page 18, or **Connect FTS with a Non-Heated Whip Hose or Remote Mix Manifold**, page 20.







Lined writing area consisting of 30 horizontal lines.

## Connect FTS and Heated Dual Whip Hose

### NOTICE

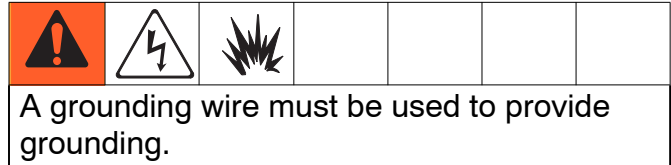
To prevent damage to probe, do not kink or excessively bend hose. Do not coil hose tighter than the minimum bend radius of 3 ft (0.9 m). Do not subject hose to excessive weight, impact, or other abuse.


 See FIG. 13 on page 19.

 **For 1/2 in. (13 mm) ID fluid hoses only:** Prior to connecting the FTS, remove the adapters from the proportioner fluid manifold and install them on the male ends of the hoses (1 and 2). Torque the A side hose to a maximum of 43 ft-lbs (58 N•m) and the B side hose to a maximum of 55 ft-lbs (74 N•m). Continue on to step 1.

1. Assemble JIC swivel fitting (5e) in female end of temp sensor (5a). Do not bend or kink probe. Torque connection to 14 ft-lbs (19 N•m). Do not over-torque. Assemble JIC swivel fitting (5d) into female end of B hose coupler (5b). Torque to a maximum of 20 ft-lbs (27 N•m). Do not over-torque.
2. Carefully inset FTS probe into the A hose (1) section from the proportioner. Do not bend or kink probe. Connect to A side whip (6a). Torque fitting connections to 14 ft-lbs (19 N•m). Do not over-torque.
3. Connect the B hose coupler to the B hose section (2) and B side whip (6b). Torque fitting connections to 20 ft-lbs (27 N•m). Do not over-torque.

4. Connect ground wire (K) of whip hose to the ground screw on the FTS (5a).



 Whip hose ground wire (K) must be connected to the ground screw on the FTS (5a) in order to drain static from the gun. If the FTS is not directly connected to the whip hose, a hose that includes a separate ground wire must be used between the FTS and whip hose. Connect ground through a hose marked as not having the FTS cable selected from the “Standard 2 Component Hose” table in the front of this manual.

5. Connect the electrical connectors (12).
6. Connect the FTS air line coupler (5c) between air hoses (3 and 8).
7. Connect the sensor cable of the hose (4) to the sensor cable of the FTS (5a). For non-RTD hoses, slide the insulator sleeves (S) over the connection. Leave slack in the cables to provide stress relief and to prevent cable failure or errors.
8. See **Check Hoses for Leaks**, page 21.

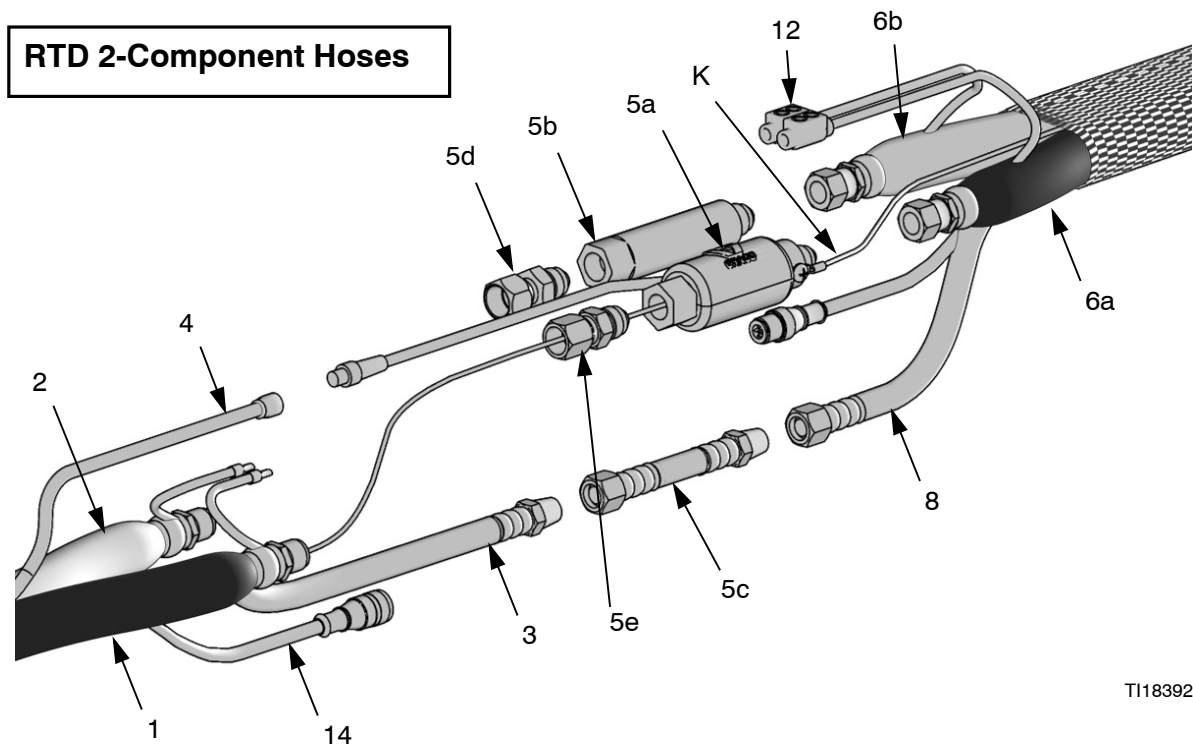
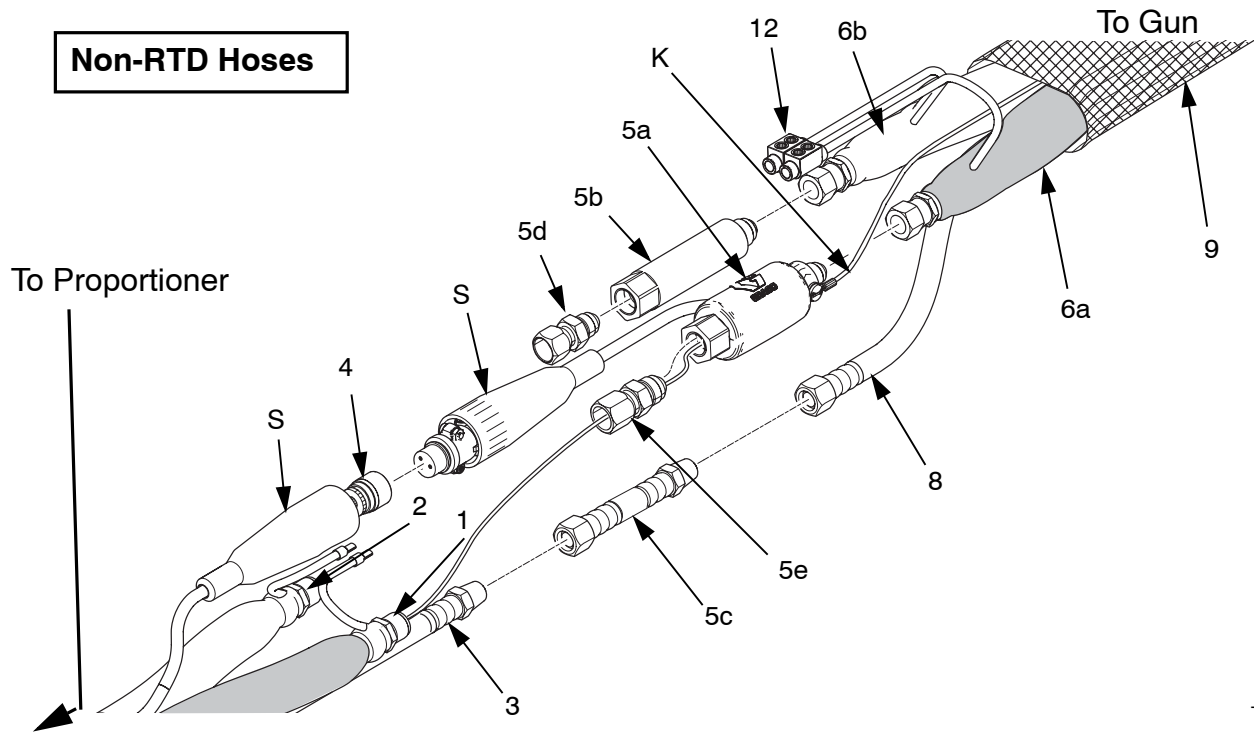


FIG. 13

## Connect FTS with a Non-Heated Whip Hose or Remote Mix Manifold

### NOTICE

To prevent damage to probe, do not kink or excessively bend hose. Do not coil hose tighter than the minimum bend radius of 3 ft (0.9 m). Do not subject hose to excessive weight, impact, or other abuse.

1. Carefully extend FTS probe (H) into the hose section from the proportioner. Do not bend or kink probe. **Insert probe in major volume (resin) side on systems which are not 1:1 mix ratio.**

2. Connect FTS (5) to mating assembly.

3. Connect fluid hoses to FTS.



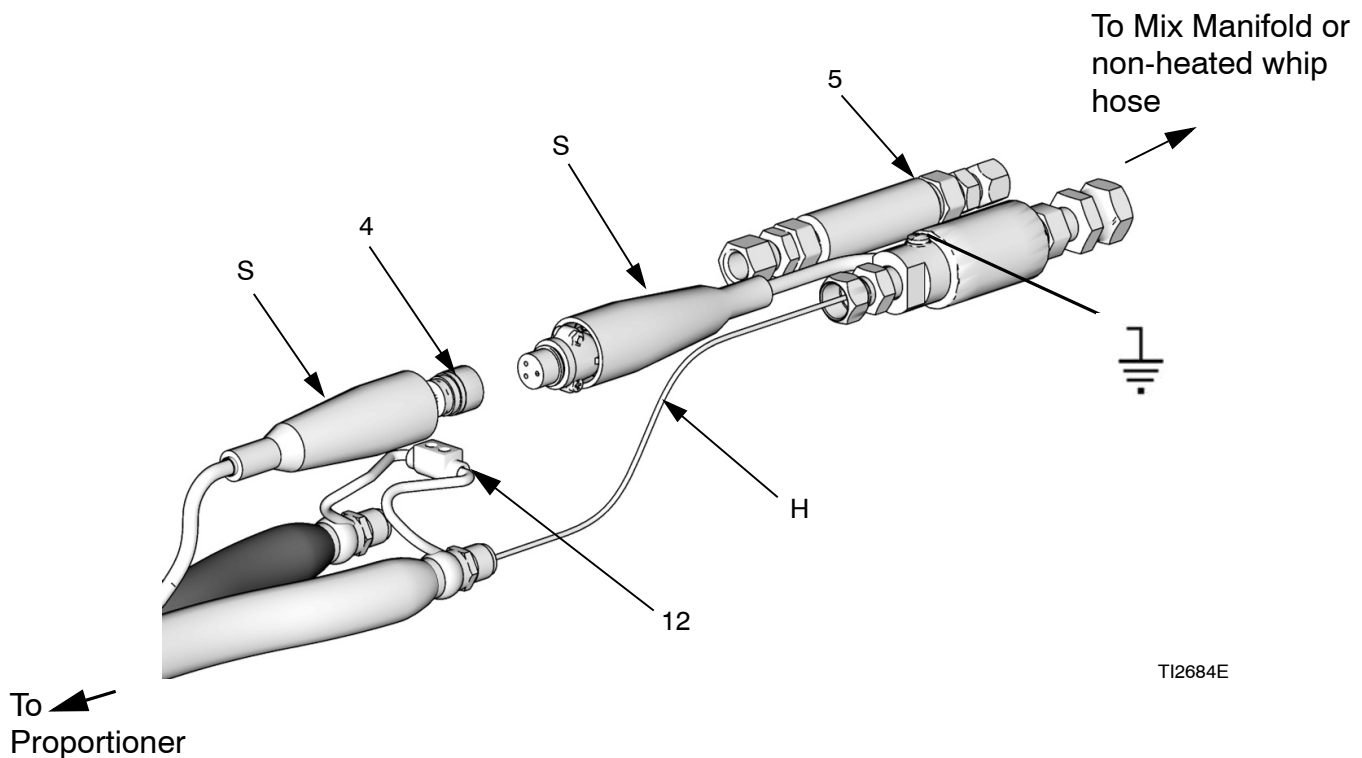
To use 1/2 in. (13 mm) ID fluid hoses, remove the adapters from the proportioner fluid manifold and install them in the FTS swivel inlets.

4. Install one connector (12) between wires. Refer to page 13 for instructions.

5. Connect hose assembly cable (4) to FTS cable (part of 5). Slide insulator sleeves (S) over connection. Leave slack in cables as stress relief, to prevent cable failure.

6. Connect appropriate ground wire.


7. See **Check Hoses for Leaks**, page 21.



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## Check Hoses for Leaks

1. Grease with Fusion<sup>®</sup> grease and connect fluid hoses to proportioner fluid manifold (M). Red for hardener (ISO), blue for resin (RES).

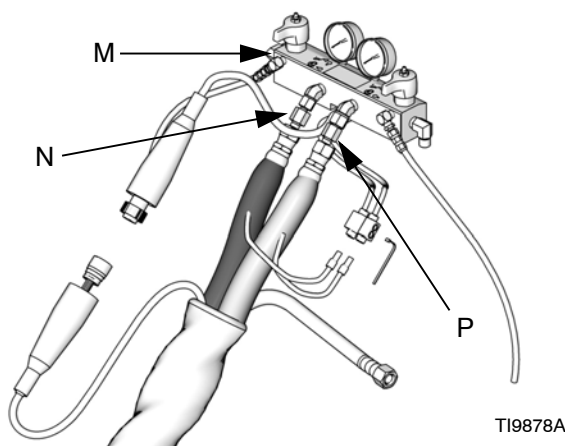
 The manifold hose adapters (N, P) allow use of 1/4 in (6.4 mm) and 3/8 in (9.5 mm) ID fluid hoses. To check adapter tightness, torque 1/4 in. and 3/8 in. ID hoses to:

- A side (N) to 14 ft-lb (19 N•m).
- B side (P) to 20 ft-lb (27 N•m).

To use 1/2 in. (13 mm) ID fluid hoses, remove the adapters (N, P) from the proportioner fluid manifold and install them in the FTS or 3/8 in. ID hose inlets.

Torque 1/2 in. ID hoses to:

- A side (N) to 43 ft-lb (58 N•m).
- B side (P) to 55 ft-lb (74 N•m).



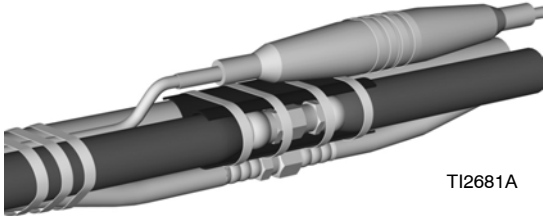
**FIG. 14**

2. For spray guns, close fluid valves on gun fluid manifold. Remove manifold from gun, see gun manual. Connect fluid whip hoses to manifold.
3. Check that all equipment is properly grounded. See proportioner manual.

4. Pressure check hose. See proportioner manual for priming instructions. After all lines are free of air, check for leaks. If there are leaks, relieve pressure as instructed in proportioner manual. Tighten connections, then pressurize again to ensure leaks have stopped. Relieve pressure.

## Protective Covering

1. Wrap **all** fluid hose connections with electrical tape.



**FIG. 15**

---

2. Fold wire back on hose to ensure adequate strain relief. Wrap **all** electrical connections and cable connections with electrical tape to protect them from pulling apart and abrasion.



Leave CAN cable connector (if used) accessible at whip hose joint for connector to the Remote Display Module Kit (if ordered).

3. Install protective cover (see **Accessories**, page 32), or wrap hose bundle with duct tape to protect foam.
4. For hoses that include the standard braided protective scuff cover, unroll excess cover over hose and electrical connections. Tape securely.
5. For hoses that include Xtreme-Wrap protective scuff sleeve, pull just enough excess length over hose and electrical connections. Tape securely.

**NOTE:** Xtreme-Wrap protective scuff sleeve will contract when heated. Use only as much length as necessary to cover connections and allow excess to remain slack.

# Operation



Do not operate a coiled hose. A coiled hose creates uneven heat buildup which can result in hose rupture and cause serious injury, including fluid injection.

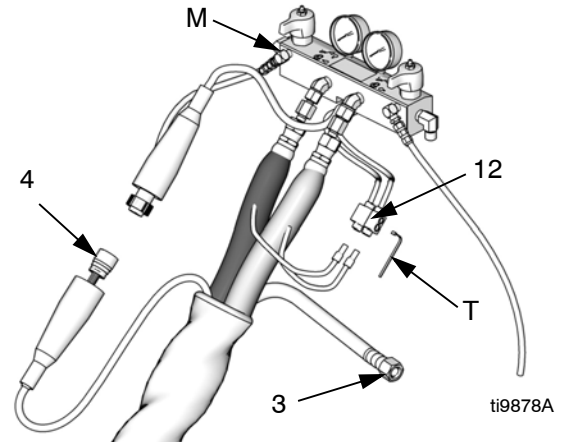
Maximum hose operating temperature is 180°F (82°C). If using hose without an FTS, measure hose temperature to ensure it does not exceed 180°F (82°C).

Hose must be properly supported to avoid excessive strain due to weight, bending, sharp edges, or stress caused by running over a roof edge.

Fluids subjected to heat in confined spaces, including hoses, can create a rapid rise in pressure due to the thermal expansion. Over-pressurization can result in equipment rupture and serious injury.

- Open a valve to relieve the fluid expansion during heating.
- Replace hoses proactively at regular intervals based on your operating conditions.


1. Connect air hose to main air supply, if equipped.
2. Connect electrical connectors (12) to connector from fluid manifold (M) or accessory control box. See **Connect Heated Hoses**, page 13. Connect hose cable (4) to cable from proportioner fluid manifold or accessory control box. Wrap connections with electrical tape.



**FIG. 16**

3. Connect to spray gun. See gun manual.
4. Connect whip air hose to gun air inlet if equipped. See gun manual.
5. Follow setup, startup, and operation procedures in proportioner manual.

## Fluid Temperature Sensor (FTS) Calibration

 Calibrate the FTS ONLY at initial startup (the first time the unit is operated) and any time the hose length changes.

1. Before turning on the unit, ensure all hoses and cables are properly connected. To ensure that the FTS in the hose is at the same temperature as the heaters, keep heat off and store the hose FTS near the machine for several minutes.
2. While holding down the temperature unit button (Fahrenheit - "F" or Celsius - "C") turn the proportioner main power ON.
3. Hold the temperature unit button until temperature is shown on the display. The fluid temperature sensor is now correctly calibrated.

# Maintenance



1. Before disconnecting or repairing hoses, relieve all fluid pressure and shut off electrical power to proportioner. See proportioner operation manual.
2. Be sure fluid is cool before disconnecting hoses.

## Instructions for Replacing Individual A or B Hose

Before disconnecting hoses, relieve all fluid pressure and shut off electrical power to proportioner. See proportioner operation manual.

Disconnect electrical wire from connectors (12). Disconnect fluid hose and remove from bundle.

Install new hose in bundle, wrapping around other fluid hose and air hose. Connect fluid hoses, see page 13.

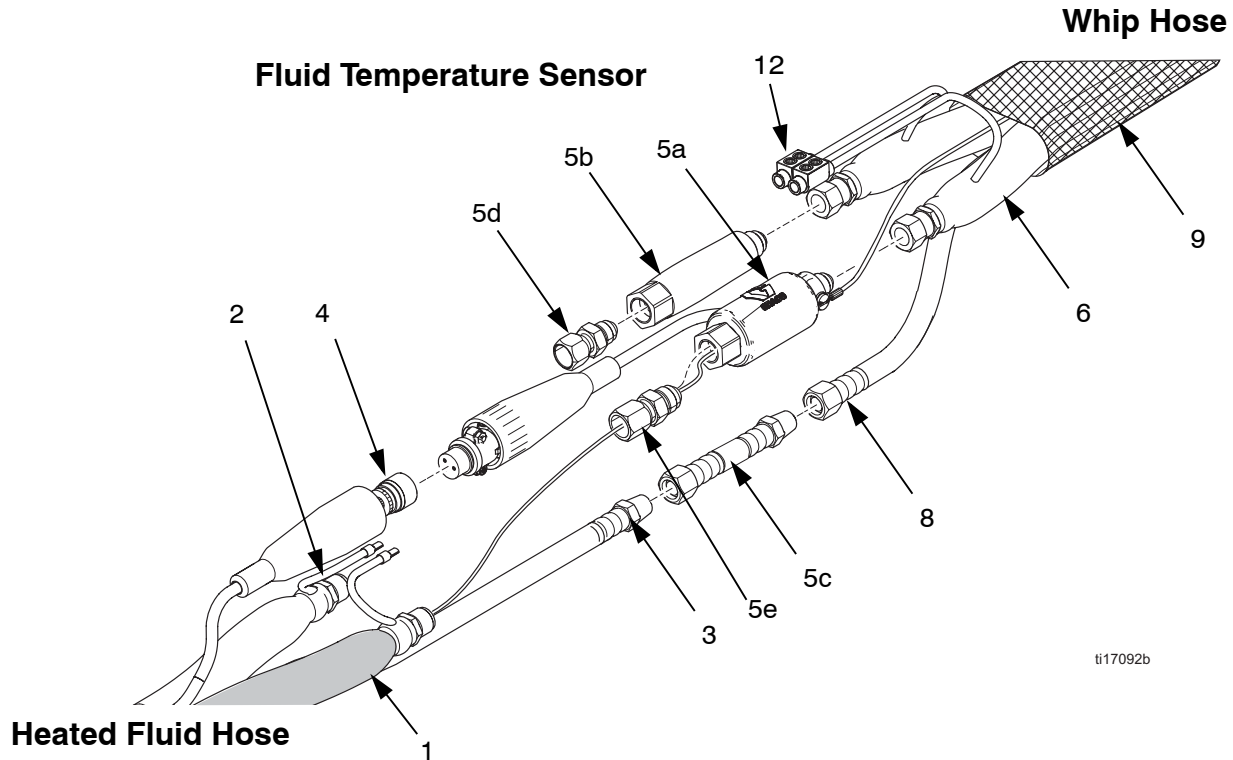
Connect electrical wire from new hose into connectors (12). Ensure that component A (ISO) wire is on + side of connector, component B (RES) wire is on - side. See page 13.

Wrap all connections with electrical tape, see page 22.



# Parts

## Using 261669 Fluid Temperature Sensor (JIC to JIC fittings)

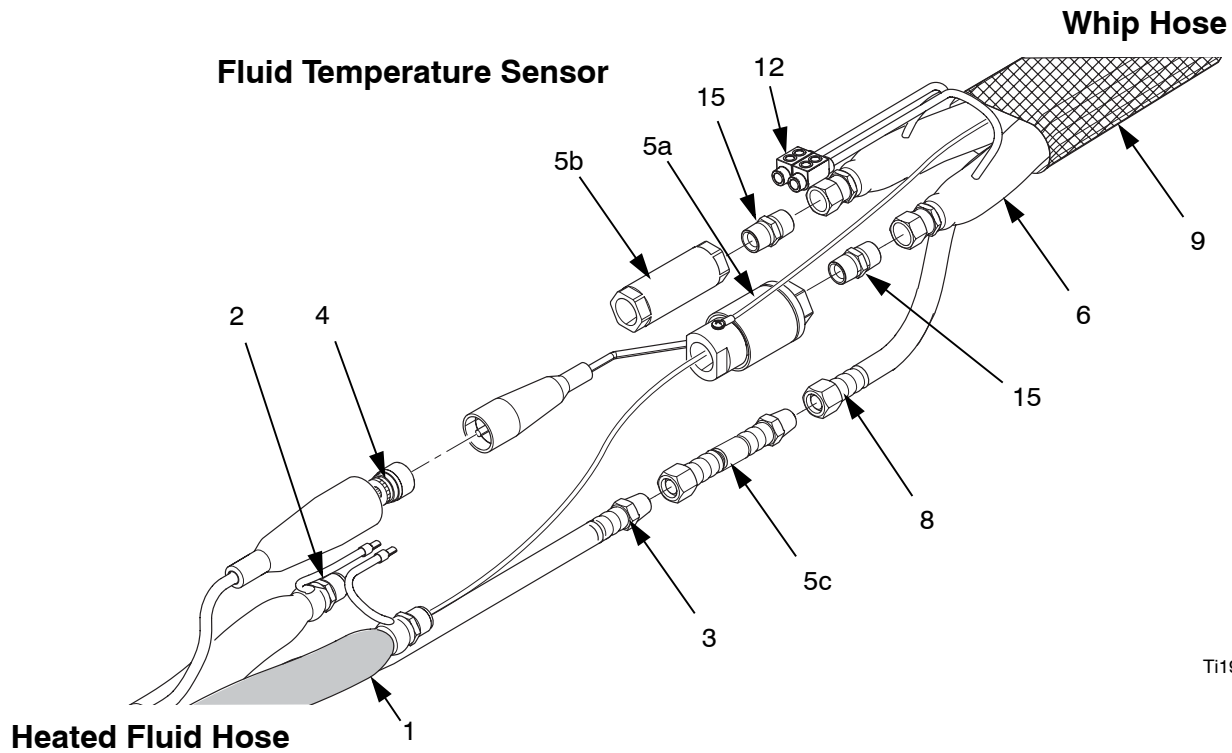


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Ref. Part	Description	Qty	Ref. Part	Description	Qty
1	HOSE, component A (ISO); see tables starting on page 4	1	6	HOSE, whip; see <b>Whip Hoses</b> , page 3	1
2	HOSE, component B (RES); see tables starting on page 4	1	8	15B280 HOSE, whip, air; 10 ft (3 m)	1
3	15B295 HOSE, air; 50 ft (15.2 m)	1	9	SCUFF GUARD; included on some hoses, see <b>Accessories</b> on page 32	1
	24F179 HOSE, air; 25 ft (7.6 m)	1	12	261821 CONNECTOR, electrical; on main hose sections	1
4	24J523 CABLE, FTS; 50 ft (15.2 m)	1	13▲	15B679 LABEL, safety, English; not shown	1
	24J524 CABLE, FTS; 25 ft (7.6 m)	1	▲	16M219 LABEL, safety, Spanish/French; not shown	1
5	261669 KIT, FTS, coupler	1			
5a	SENSOR, fluid temperature; -5 JIC	1			
5b	FITTING, FTS coupler; -6 JIC	1			
5c	24V454 HOSE, air; 4.75 in. (120.65 mm)	1			
5d	127596 FITTING, swivel; -6 JIC x -6 JIC, mxf	1			
5e	127597 FITTING, swivel; -5 JIC x -5 JIC, mxf	1			

▲ Replacement Danger and Warning labels, tags, and cards are available at no cost.

## Using 24M943 Fluid Temperature Sensor (NPT to NPT fittings)



Ti19091b

Ref. Part	Description	Qty
1	HOSE, component A (ISO); see tables starting on page 4	1
2	HOSE, component B (RES); see tables starting on page 4	1
3	15B295 HOSE, air; 50 ft (15.2 m)	1
	24F179 HOSE, air; 25 ft (7.6 m)	1
4	24J523 CABLE, FTS; 50 ft (15.2 m)	1
	24J524 CABLE, FTS; 25 ft (7.6 m)	1
5	24M943 KIT, FTS, coupler	1
5a	SENSOR, fluid temperature; 1/2 npt	1
5b	FITTING, FTS coupler; (1/2 npt(f))	1
5c	HOSE, air; 3.75 in. (95.3 mm)	-
6	HOSE, whip; see <b>Whip Hoses</b> , page 3	1
8	15B280 HOSE, whip, air; 10 ft (3 m)	1
9	SCUFF GUARD; included on some hoses; see <b>Accessories</b> on page 32	1
12	261821 CONNECTOR, electrical; on main hose sections	1
13▲	15B679 LABEL, safety, English; not shown	1
	▲ 16M219 LABEL, safety, Spanish/French; not shown	1
15★	CONNECTOR, manifold	4

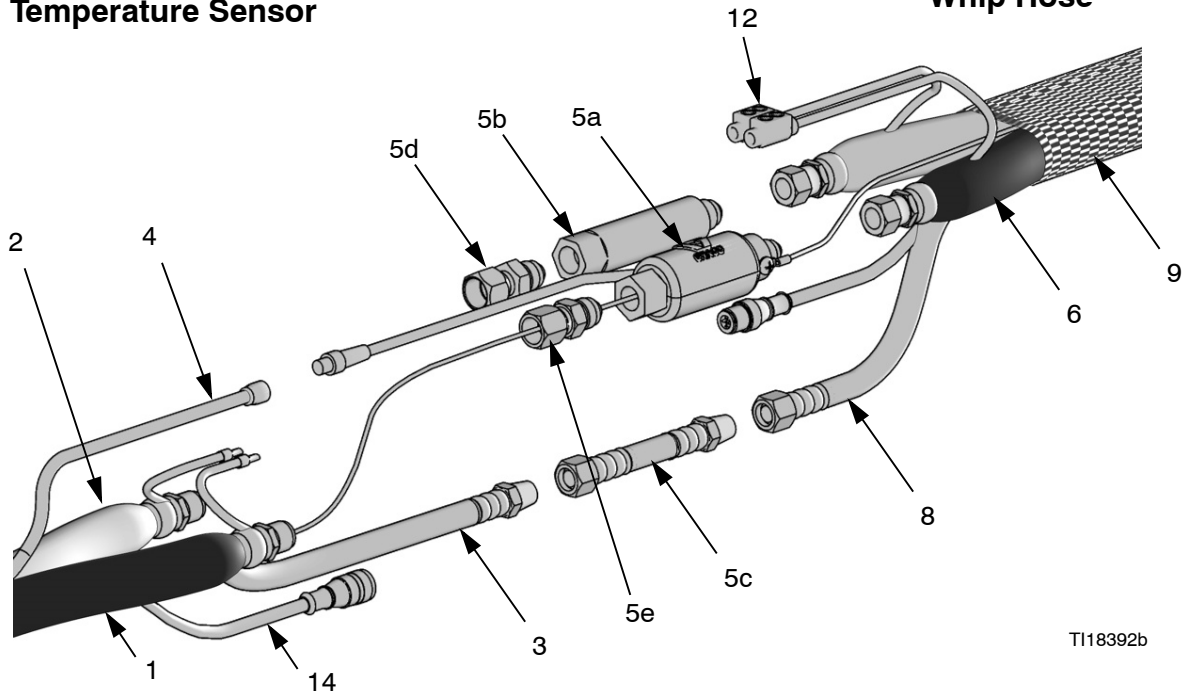
▲ *Replacement Danger and Warning labels, tags, and cards are available at no cost.*

★ Not included. Order connector fittings that connect to the A and B component hoses. See **Adapter Fittings**, page 3.

# Using 24K207 RTD 2-Component Hose Fluid Temperature Sensor (JIC to JIC fittings)

## Fluid Temperature Sensor

## Whip Hose



T118392b

## Heated Fluid Hose

Ref. Part	Description	Qty	Ref. Part	Description	Qty
1	HOSE, component A (ISO); see tables starting on page 4	1	6	HOSE, whip; see <b>Whip Hoses</b> , page 3	1
2	HOSE, component B (RES); see tables starting on page 4	1	8	15B280 HOSE, whip, air; 10 ft (3 m)	1
3	15B295 HOSE, air; 50 ft (15.2 m)	1	9	SCUFF GUARD; included on some hoses, see <b>Accessories</b> on page 32	1
4	24N450 CABLE, RTD; 50 ft (15.2 m)	1	12	261821 CONNECTOR, electrical; on main hose sections	1
5	24K207 KIT, FTS, coupler	1	13▲	15B679 LABEL, safety, English; not shown	1
5a	SENSOR, FTS-RTD	1	▲	16M219 LABEL, safety, Spanish/French; not shown	1
5b	COUPLER	1	14*	24N449 CABLE, CAN; 50 ft (15.2 m)	1
5c	24V454 HOSE, air; 4.75 in. (120.65 mm)	1			
5d	127596 FITTING, swivel; -6 JIC x -6 JIC, mxf	1			
5e	127597 FITTING, swivel; -5 JIC x -5 JIC, mxf	1			

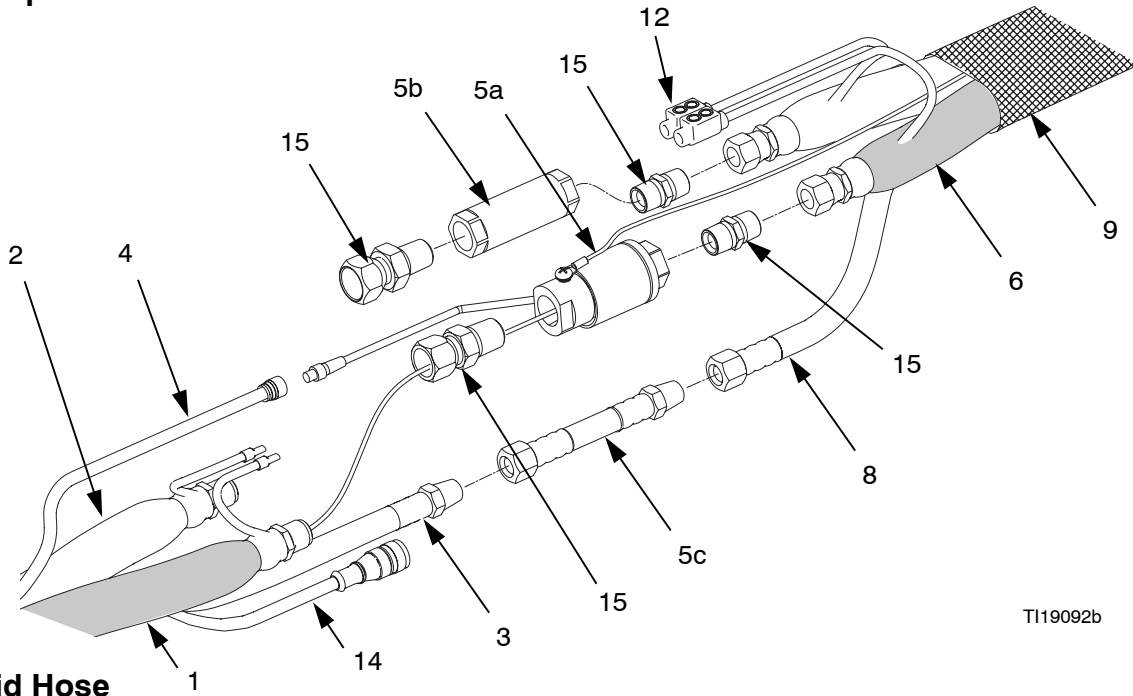
▲ Replacement Danger and Warning labels, tags, and cards are available at no cost.

\* Included only in hoses with CAN cable. See **RTD 2-Component Hose (for use with GCA Controlled Reactors)**, page 4.

# Using 24M944 RTD 2-Component Hose Fluid Temperature Sensor (NPT to NPT fittings)

## Fluid Temperature Sensor

## Whip Hose



TI19092b

## Heated Fluid Hose

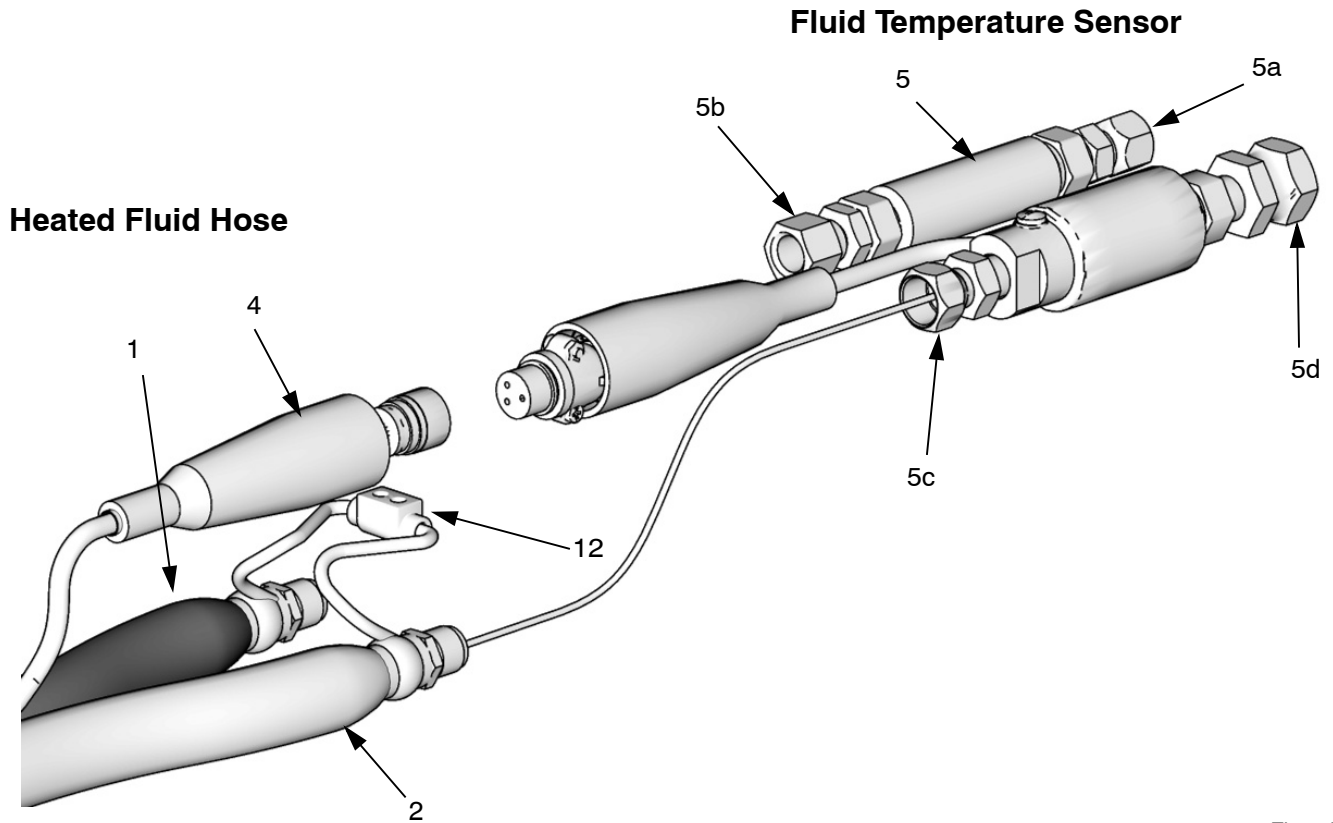
Ref. Part	Description	Qty	Ref. Part	Description	Qty
1	HOSE, component A (ISO); see tables starting on page 4	1	8	15B280 HOSE, whip, air; 10 ft (3 m)	1
2	HOSE, component B (RES); see tables starting on page 4	1	9	SCUFF GUARD; included on some hoses, see <b>Accessories</b> on page 32	1
3	15B295 HOSE, air; 50 ft (15.2 m)	1	12	261821 CONNECTOR, electrical; on main hose sections	1
4	24N450 CABLE, RTD; 50 ft (15.2 m)	1	13▲	15B679 LABEL, safety, English; not shown	1
5	24M944 KIT, FTS, coupler	1	▲ 16M219	LABEL, safety, Spanish/French; not shown	1
5a	SENSOR, FTS-RTD	1	14*	24N449 CABLE, CAN; 50 ft (15.2 m)	1
5b	COUPLER	1	15★	CONNECTOR, manifold	4
5c	<b>HOSE, air; 3.75 in. (95.3 mm)</b>	-			
6	HOSE, whip; see <b>Whip Hoses</b> , page 3	1			

▲ Replacement Danger and Warning labels, tags, and cards are available at no cost.

\* Included only in hoses with CAN cable. See **RTD 2-Component Hose (for use with GCA Controlled Reactors)**, page 4.

★ Not included. Order connector fittings that connect to the A and B component hoses. See **Adapter Fittings**, page 3.

## Using 261670 Fluid Temperature Sensor (JIC to NPT fittings)



TI2684E

Ref.	Part	Description	Qty	Ref.	Part	Description	Qty
1		HOSE, component A (ISO); see tables starting on page 4	1	5c	117506	. SWIVEL; 1/4 npt(m) x -6 JIC (f)	1
2		HOSE, component B (RES); see tables starting on page 4	1	5d	157705	. SWIVEL; 1/4 npt(m) x 3/8 npsm	1
4	24J523	CABLE, FTS; 50 ft (15.2 m)	1	12	261821	CONNECTOR, electrical; on main hose sections	1
	24J524	CABLE, FTS; 25 ft (7.6 m)	1	13▲	15B679	LABEL, safety, English; not shown	1
5	261670	FLUID TEMPERATURE SENSOR; includes items 5a-5d	1		▲ 16M219	LABEL, safety, French/Spanish; not shown	1
5a	156823	. SWIVEL; 1/4 npt (m x 1/4 npsm	1	▲ Replacement Danger and Warning labels, tags, and cards are available at no cost.			
5b	117595	. SWIVEL; 1/4 npt(m) x -5 JIC (f)	1				

## 15F144 Hose Wire Jumper

Use the 15F144 Hose Wire Jumper to heat only the major volume hose, in a wide ratio system.

To build one complete 50 ft single side heated hose bundle, order the following parts:

Ref.	Part	Description	Qty
100	15F144	JUMPER, hose wire	1
101		HOSE, resin, heated; 50 ft (15.2 m) minimum; see tables starting on page 4	1
102	24J523	CABLE, FTS	1
104	261670	FLUID TEMPERATURE SENSOR; see page 25	1
105	purchase locally	HOSE, hardener, unheated; 50 ft (15.2 m) minimum; customer supplied	1
106	purchase locally	CONNECTORS, fluid; as required to complete assembly; not shown	as req'd


Install as follows:



This hose must be used with an FTS and cable to provide grounding.

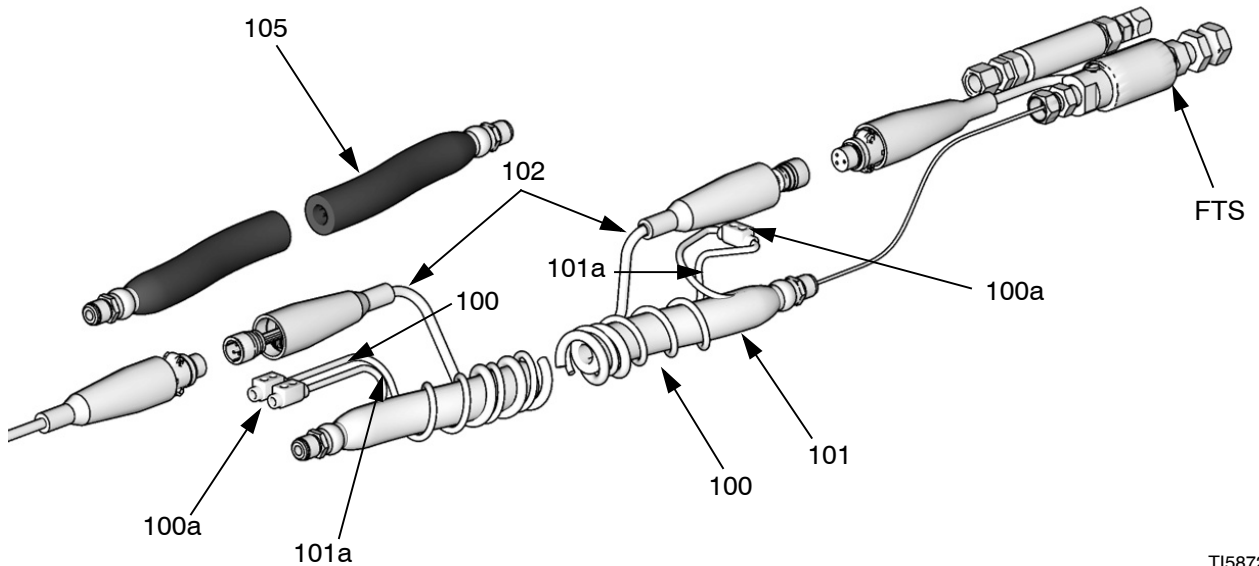
1. Wrap hose wire jumper (100) around resin hose (101) in a spiral fashion.
2. Connect resin hose wire (101a) to other side of Power-Lock connector (100a); see page 13.
3. Wrap FTS cable (102) around resin hose (101) in a spiral fashion.
4. Twist hoses (101 and 105) together to provide strain relief.
5. Repeat steps 1-4 for each length of hose (101). Connect hoses, electrical connectors, and cables; see **Connect Heated Hoses**, page 13.
6. Install one -Lock connector (100a) between wires; see page 13.
7. **Connect FTS with a Non-Heated Whip Hose or Remote Mix Manifold**, page 20.

8. Install whip hose and gun. Ensure that gun is grounded.
9. Connect hoses to proportioner.
10. Insulate and protect hoses. See **Protective Covering**, page 22.

 Some previous models include transformers with tap settings.

Set transformer wire taps, using the following table. Transformer tap wire connections vary depending on length of heated hose. See proportioner operation manual for further information. Verify that tap wire connections are correct.

Single Side Heated Hose Length, ft (m)	Tap Terminal Label (ft)
50 (15.2)	50
100 (30.5)	50
150 (45.7)	100
200 (61.0)	100
250 (76.2)	150
300 (91.5)	150
350 (106.8)	200
400 (122.0)	200



TI5872D

# Accessories

## Scuff Guard

Use to keep hose clean and protect it from damage.

<b>Part</b>	<b>Description</b>
246077	7 ft (2.1 m) braided polyester mesh. For whip hose. Fold back over itself for easy installation.
246078	50 ft (15.2 m) braided polyester mesh. Fold back over itself for easy installation.
246805	25 ft (7.6 m) braided polyester mesh. Fold back over itself for easy installation.
246456	50 ft (15.2 m) polyethylene bag. Inflate with air for easy installation.
24T243	8 ft (2.4 m) Xtreme-Wrap abrasion-resistant woven nylon sleeve for whip hose
24T244	55 ft (16.8 m) Xtreme-Wrap abrasion-resistant woven nylon sleeve



# Technical Data

<b>Power-Lock Heated Hose</b>		
	<b>US</b>	<b>Metric</b>
Maximum Air Working Pressure	130 psi	0.9 MPa, 9 bar
Maximum Fluid Operating Temperature	180°F	82°C
Wetted Parts	Nylon, Zinc-Plated Carbon Steel, 303 Stainless Steel	
<b>Total Heating Load (2 Hoses)</b>		
1/4 in. diameter:	11 watts/foot	36 watts/meter
3/8 in. diameter:	13 watts/foot	43 watts/meter
1/2 in. diameter:	15 watts/foot	49 watts/meter
<b>Whip Hose Maximum Fluid Working Pressure</b>		
246050*	2000 psi	14 MPa, 138 bar
246055*	3500 psi	24 MPa, 241 bar
246056	3500 psi	24 MPa, 241 bar
249586	2000 psi	14 MPa, 138 bar
256407	2000 psi	14 MPa, 138 bar
256626	3500 psi	24 MPa, 241 bar
258701	5000 psi	35 MPa, 345 bar
261686	3500 psi	24 MPa, 241 bar
<b>Standard 2 Component Hose Maximum Fluid Working Pressure</b>		
246045	2000 psi	14 MPa, 138 bar
246046	2000 psi	14 MPa, 138 bar
246047	2000 psi	14 MPa, 138 bar
246048	2000 psi	14 MPa, 138 bar
246049	2000 psi	14 MPa, 138 bar
246052	3500 psi	24 MPa, 241 bar
246053	3500 psi	24 MPa, 241 bar
246054	3500 psi	24 MPa, 241 bar
246074	2000 psi	14 MPa, 138 bar
246075	2000 psi	14 MPa, 138 bar
246076	2000 psi	14 MPa, 138 bar
246678	2000 psi	14 MPa, 138 bar
246679	3500 psi	24 MPa, 241 bar
249587	2000 psi	14 MPa, 138 bar
249588	3500 psi	24 MPa, 241 bar
256548	3500 psi	24 MPa, 241 bar
256549	2000 psi	14 MPa, 138 bar
261328	2000 psi	14 MPa, 138 bar
261332	5000 psi	35 MPa, 345 bar
261335	3500 psi	24 MPa, 241 bar
262203	5000 psi	35 MPa, 345 bar
24Y549*	2000 psi	14 MPa, 138 bar
24Y678*	2000 psi	14 MPa, 138 bar
24Y679*	3500 psi	24 MPa, 241 bar

<b>Power-Lock Heated Hose</b>		
	<b>US</b>	<b>Metric</b>
<b>RTD 2 Component Hose (For GCA Reactors) Maximum Fluid Working Pressure</b>		
24K240	2000 psi	14 MPa, 138 bar
24K241	3500 psi	24 MPa, 241 bar
24K394	2000 psi	14 MPa, 138 bar
24K395	3500 psi	24 MPa, 241 bar
24N000	2000 psi	14 MPa, 138 bar
24N001	2000 psi	14 MPa, 138 bar
24N002	3500 psi	24 MPa, 241 bar
24N003	3500 psi	24 MPa, 241 bar
24T839	2000 psi	14 MPa, 138 bar
24U743	3500 psi	24 MPa, 241 bar
24Y240*	2000 psi	14 MPa, 138 bar
24Y241*	3500 psi	24 MPa, 241 bar
24Y394*	2000 psi	14 MPa, 138 bar
24Y395*	3500 psi	24 MPa, 241 bar
<b>Airless 2 Component Hose Maximum Fluid Working Pressure</b>		
248907	5000 psi	35 MPa, 345 bar
248908	5000 psi	35 MPa, 345 bar
262727	5000 psi	35 MPa, 345 bar
262728	5000 psi	35 MPa, 345 bar
262730	5000 psi	35 MPa, 345 bar
<b>Custom Application 2 Component Hose Maximum Fluid Working Pressure</b>		
247164	3500 psi	24 MPa, 241 bar
255089	2000 psi	14 MPa, 138 bar
261329	2000 psi	14 MPa, 138 bar
261334	3500 psi	24 MPa, 241 bar
261336	3500 psi	24 MPa, 241 bar
261337	3500 psi	24 MPa, 241 bar
<b>FTS Maximum Fluid Working Pressure</b>		
261669	5000 psi	35 MPa, 345 bar
261670	5000 psi	35 MPa, 345 bar
24M943	7250 psi	50 MPa, 500 bar
<b>FTS (For GCA Systems) Maximum Fluid Working Pressure</b>		
24K207	5000 psi	35 MPa, 345 bar
24M944	7250 psi	50 MPa, 500 bar

\* These models include the Xtreme-Wrap Scuff Guard.



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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.

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# Graco Information

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**TO PLACE AN ORDER**, contact your Graco distributor, or call this number to identify the distributor closest to you: **1-800-328-0211 Toll Free**  
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Original instructions. This manual contains English. MM 309572

**Graco Headquarters:** Minneapolis  
**International Offices:** Belgium, China, Japan, Korea

**GRACO INC. AND SUBSIDIARIES • P.O. BOX 1441 • MINNEAPOLIS MN 55440-1441 • USA**

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Revision ZAF, May 2014