



Power-LockTM Splice Kit 261821

312056B

To connect Power-Lock heated hoses.



Important Safety Instructions

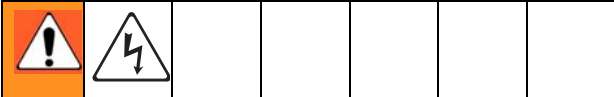
Read all warnings and instructions in
Power-LockTM Heated Hose manual 309572.
Save those instructions.

Kit 261821 includes:

Ref.	Description	Qty.
1	CONNECTOR, molded	2
2	SCREW, set, socket head	4
3	CAP, plug, wire connector	4
4	FERRULE, insulated	4
5	WRENCH, hex	1
6	FLUID, oxide inhibitor	1

PROVEN QUALITY. LEADING TECHNOLOGY.





Installing this kit requires access to parts that may cause electric shock or other serious injury if work is not performed correctly. Be sure to shut off all power to the equipment before servicing.

1. Turn main power off.
2. If necessary, remove white connector from heated hose wires.
 - a. Remove strain relief, if necessary.
 - b. Use a sharp scissors to cut off white connector directly behind connector.

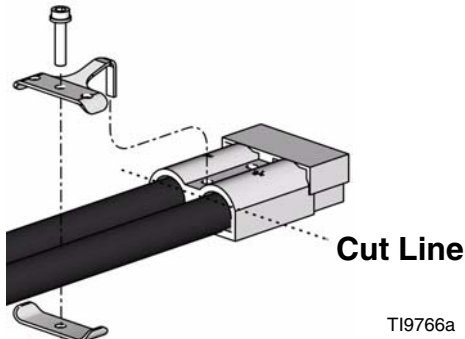


FIG. 1: Remove Connector

3. Use a sharp scissors to strip all four 5/8 in. (15.9 mm) wires from wire end. See Strip Length Gage.

Strip Length Gage
1:1 Scale



FIG. 2: Strip Length

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 (4) over exposed wire. Ferrule should be flush with wire end. See FIG. 3.

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 (4) end, adjust strip length accordingly. If bare wire is protruding from ferrule, trim flush to ferrule end. See FIG. 3.

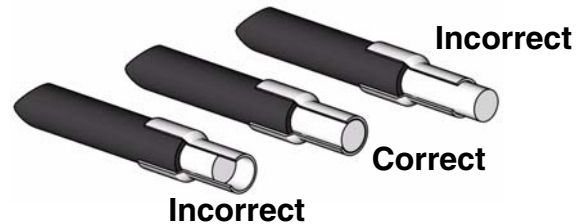



FIG. 3: Wire Length

- c. Remove ferrule (4) and apply oxide inhibitor (6) to bare wire. See FIG. 4.
- d. Insert wire in ferrule (4) and apply more oxide inhibitor (6) to ferrule and wire end. See FIG. 4.

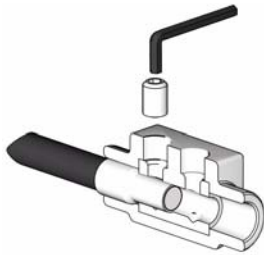


FIG. 4: Remove and Reinstall Ferrule

4. Pair 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 (1). Ensure that ferrule is mating with connector insert. See FIG. 5.

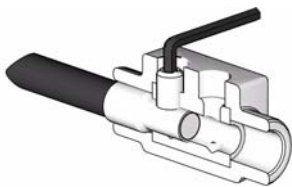


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FIG. 5: Insert Wire and Setscrew

- b. Thread in setscrew (2) and use hex wrench (5) 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 (4).




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FIG. 6: Torque Setscrew

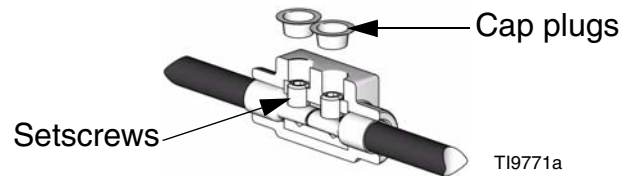
- c. Insert remaining wire from pair into connector (1); ensure proper insertion depth. Thread setscrew (2) and torque to 60 in-lbs (6.78 N•m); see sub-step B. See FIG. 5 and FIG. 6.

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

- e. Re-torque all four setscrews (2) 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. 7.

- f. Insert cap plugs (3) over setscrews (2). See FIG. 7.



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FIG. 7: Re-torque and Install

- g. Wrap connector (1) 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.

All written and visual data contained in this document reflects the latest product information available at the time of publication.
Graco reserves the right to make changes at any time without notice.

This manual contains English. MM 312056

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