

# Quick Disconnect Feeder End Adaptor Kits

Issued April 2020 • Index No. DFB-ADAPTOR/3.7



For  
Kits

4820G, 4920, 4981, 4986, 4995

## INSTALLATION INSTRUCTIONS

- Quick Disconnect Feeder End may be connected directly to a Bernard adaptor by threading quick disconnect directly into adaptor. Make all necessary power, control, and gas connections.
- Quick Disconnect Feeder End Adapter Kits are supplied with two long guide tubes (p/n 478 & 479) of different I.D.'s which must be cut to the proper length (Refer to **Cutting Guide** on page 2).
- Select the proper guide tube I.D. below:  
0.023" - 0.052" Electrode Small I.D.  
0.062" - 1/8" Electrode Large I.D.
- Install taper end toward feed rolls. If electrodes below 0.045" are being used, it may be advisable to grind a chisel point on the tapered end to guide electrode closer to the feed rolls.
- Procedure to determine cut length for guide tube that extends beyond quick disconnect (Refer to **Illustration 1** on page 2):
  - Mark tube at point even with end of quick disconnect body.
  - Remove guide tube.
  - Cut guide tube at a point 1-1/2" toward the taper from the area marked.
  - Reinstall in adaptor and tighten set screw.
- Procedure to determine cut length for guide tube recessed within quick disconnect (Refer to **Illustration 2** on page 2).
  - With small rule, measure amount guide tube is within quick disconnect body.
  - Using formula below, cut guide tube to proper length. Shorten guide tube from end opposite taper.
  - 1-1/2" minus distance measured inside the quick disconnect body equals length to be shortened.
- Insert the guide tube in the adaptor. Check guide tube length as indicated in **Illustration 3** (page 2) for proper fit and tighten set screw. E-Z Feed Adaptor Kits are supplied with pre-cut guide tubes for specific machines, as listed.

— 0"  
— 1/4"  
— 1/2"  
— 3/4"  
— 1"  
— 1 1/4"  
— 1 1/2"  
— 1 3/4"  
— 2"



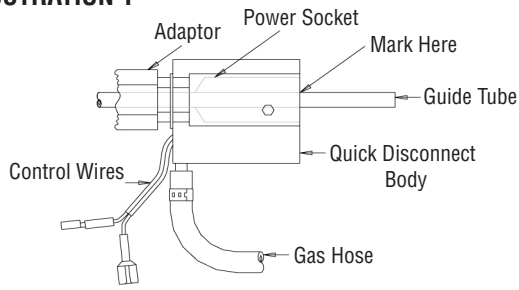
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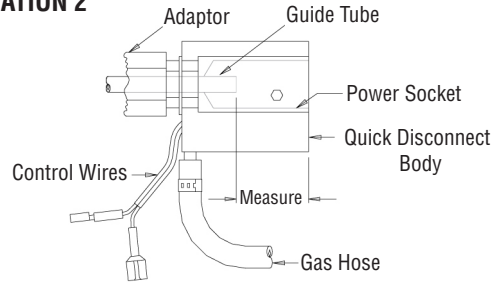
# Illustrations

**ILLUSTRATION 1**



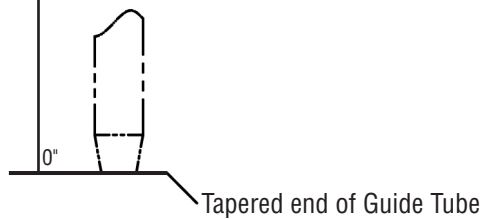
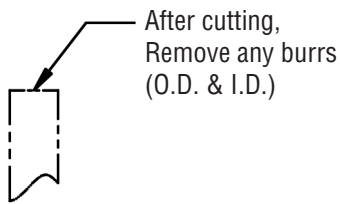
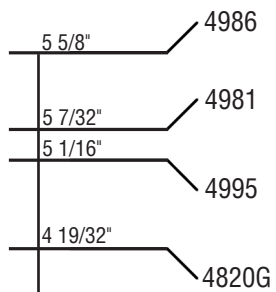
**GUIDE TUBE BEYOND QUICK DISCONNECT**

**ILLUSTRATION 2**

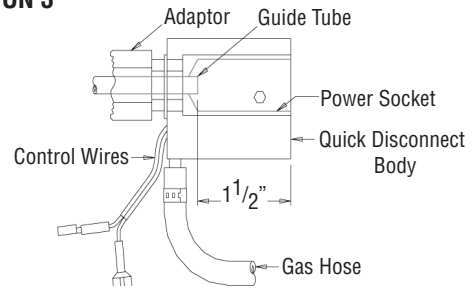


**GUIDE TUBE WITHIN QUICK DISCONNECT**

**CUTTING GUIDE**



**ILLUSTRATION 3**

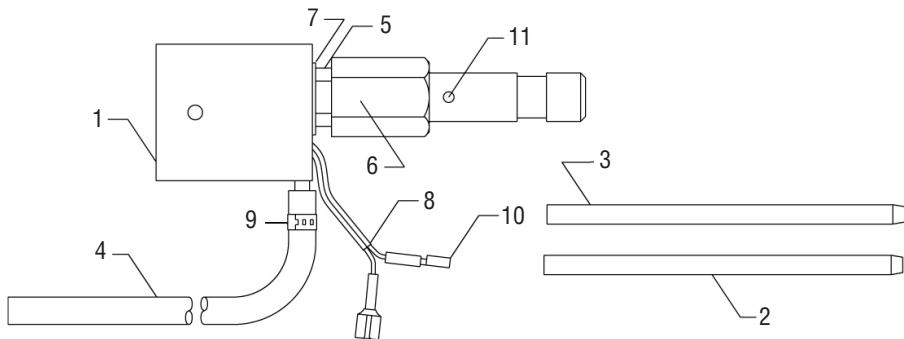


**PROPER GUIDE TUBE POSITION**

# Adaptor Kits

## 4820G

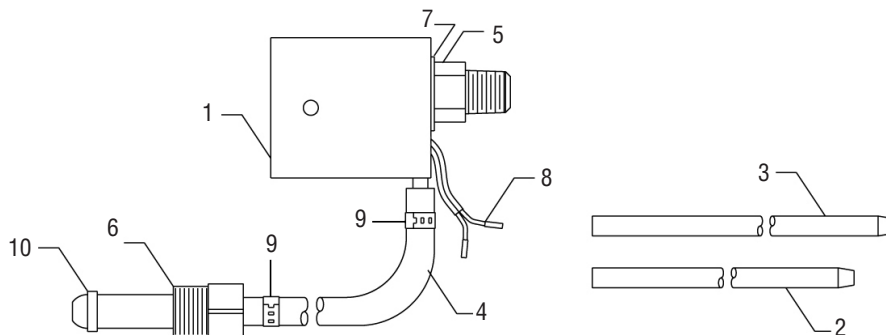
FOR USE ON: Hobart Beta-Mig 200-2000 Models 17 & 19, Miller Migman 105



ITEM	PART#	DESCRIPTION
1	4893	Body, with Gas Barb & O-Ring
2	478	Guide Tube, Small I.D.
3	479	Guide Tube, Large I.D.
4	1571	Gas Hose
5	4908	Socket
6	5108	Adaptor Body
7	4912	Snap Ring
8	4942	Wire Assembly
9	4991	Oetiker Clamp
10	1346	Terminals
11	396	Set Screw

## 4920

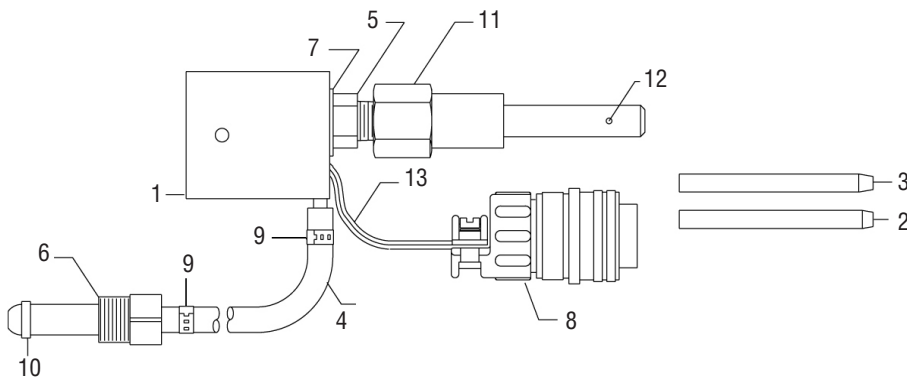
FOR USE ON: Quick Disconnect, feeder end with guide tubes (2). Fits all existing Bernard adaptors



ITEM	PART#	DESCRIPTION
1	4893	Body, with Gas Barb & O-Ring
2	478	Guide Tube, Small I.D.
3	479	Guide Tube, Large I.D.
4	1571	Gas Hose
5	4908	Socket
6	1566	Gas Nut
7	4912	Snap Ring
8	4942	Wire Assembly
9	4991	Oetiker Clamp
10	663	Hose Gland

## 4981

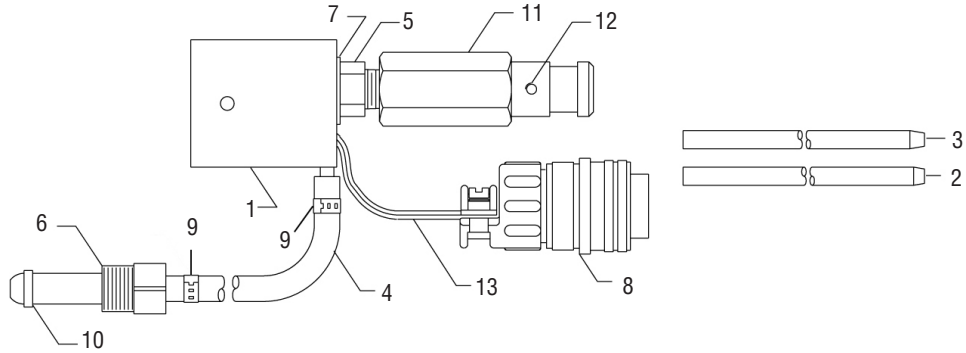
FOR USE ON: Lincoln LN4, LN-5, LN-6, LN-8, LN-9



ITEM	PART#	DESCRIPTION
1	4893	Body, with Gas Barb & O-Ring
2	478	Guide Tube, Small I.D.
3	479	Guide Tube, Large I.D.
4	1571	Gas Hose
5	4908	Socket
6	1566	Gas Nut
7	4912	Snap Ring
8	1694	Lead Set (Includes 4942)
9	4991	Oetiker Clamp
10	663	Hose Gland
11	1381	Adaptor Body
12	1384	Set Screw
13	4942	Wire Assembly

# 4986

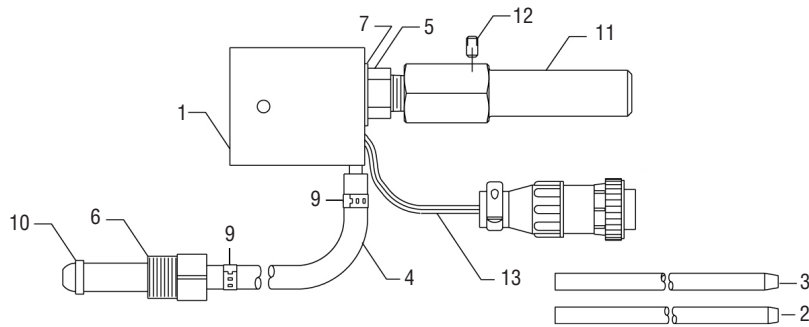
FOR USE ON: Lincoln LN-7, SP-200, LN-22



ITEM	PART#	DESCRIPTION
1	4893	Body, with Gas Barb & O-Ring
2	478	Guide Tube, Small I.D.
3	479	Guide Tube, Large I.D.
4	1571	Gas Hose
5	4908	Socket
6	1566	Gas Nut
7	4912	Snap Ring
8	1694	Lead Assembly (includes 4942)
9	4991	Oetiker Clamp
10	663	Hose Gland
11	295	Adaptor Body
12	396	Set Screw
13	4942	Wire Assembly

# 4995

FOR USE ON: Miller 542 GL Swing Arc, part 079-548; Porta-MIG; Millermatic 40, 50; Migmate; Millermatic 130; Miller S-32S & S-32P



ITEM	PART#	DESCRIPTION
1	4893	Body, with Gas Barb & O-Ring
2	478	Guide Tube, Small I.D.
3	479	Guide Tube, Large I.D.
4	1571	Gas Hose
5	4908	Socket
6	1566	Gas Nut
7	4912	Snap Ring
8	4996	Lead Assembly (includes 4942)
9	4991	Oetiker Clamp
10	663	Hose Gland
11	1294	Adaptor Body
12	396	Set Screw
13	4942	Wire Assembly

Subject to Change – The information presented in this spec sheet is accurate to the best of our knowledge at the time of printing. Please visit [BernardWelds.com](http://BernardWelds.com) for the most up-to-date information.

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