

# NEW STUDENT UNIVERSAL EQUIPMENT LIST

## CERRITOS COLLEGE WELDING SUPPLY PARTNERS

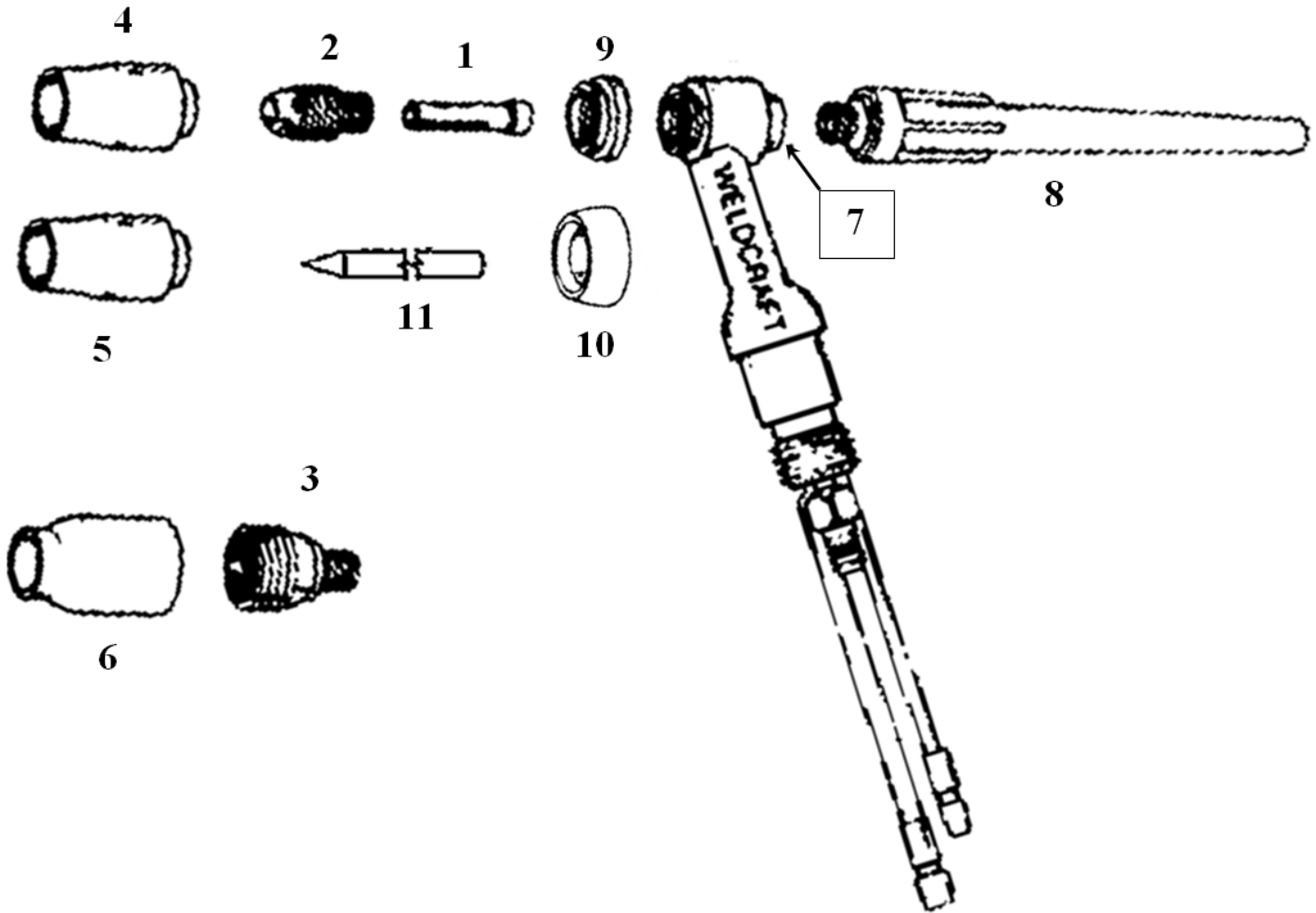
MPB Equipment Welding Supplies 9551 Artesia Blvd. Bellflower, CA 90706 (562) 804-9075	Airgas 13421 Imperial Hwy. Whittier, CA 90605 (562) 944-0741 www.airgas.com	Cameron Welding Supply 11061 Dale Ave. Stanton, CA 90680 (714) 530-9353 www.cameronwelding.com	Praxair 10600 Shoemaker Ave. Santa Fe Springs, CA 90670 (562) 944-3118 www.praxair.com	Sims Welding Supply 2445 South St. Long Beach, CA 90805 (562) 728-5500 www.simswelding.com
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**NOTE: ALL OF THE ITEMS BELOW SHOULD BE PURCHASED FROM A WELDING SUPPLY STORE. ALSO, MAKE SURE TO MENTION THAT YOU ARE A CERRITOS COLLEGE STUDENT TO RECEIVE A DISCOUNT**

<b>WELD 100 &amp; 120 STUDENT START UP PACKAGE</b>	<b>DELUXE WELD 100 &amp; 120 STUDENT STARTUP PACKAGE</b>
CLEAR SAFETY GLASSES	CLEAR SAFETY GLASSES
GAUNTLET STYLE ARC WELDING GLOVES	GAUNTLET STYLE ARC WELDING GLOVES
LEATHER CAPE SLEEVES W/BIB OR LEATHER WELDING JACKET	LEATHER CAPE SLEEVES W/BIB OR LEATHER WELDING JACKET
HUNTSMAN 430P FLIP FRONT WELDING HELMET	HUNTSMAN 430P FLIP FRONT WELDING HELMET
100% COTTON WELD CAP	100% COTTON WELD CAP
SLAG CHIPPING HAMMER	WOODEN HANDLE SLAG CHIPPING HAMMER
1" STAINLESS STEEL TOOTH BRUSH	1" STAINLESS STEEL TOOTH BRUSHES (3pcs.)
LONG HANDLE WIRE BRUSH (for arc welding)	LONG HANDLE WIRE BRUSH
STANDARD TIP CLEANER (for oxyfuel cutting torch)	STANDARD TIP CLEANER (for oxyfuel cutting torch)
FLINT STRIKER (for lighting oxyfuel cutting torch)	FLINT STRIKER (for lighting oxyfuel cutting torch)
9" VICE GRIPS (buy only vice grip brand)	9" VICE GRIPS (buy only vice grip brand)
8" DIAGONAL CUTTING PLIERS	8" DIAGONAL CUTTING PLIERS
SOAPSTONE (like chalk for marking on steel)	SOAPSTONE (like chalk for marking on steel)
#5 SHADED COMFORT CUTTING GOGGLES WITH FLIP FRONT LENS	#5 SHADED COMFORT CUTTING GOGGLES WITH FLIP FRONT LENS
GTAW WP 20 TORCH KIT: 3/32" RED/GOLD TUNGSTEN, 3/32" COLLET, 3/32" COLLET BODY, # 6 CERAMIC CUP, 7" TIG TORCH END CAP, & WP 18 TORCH GASKET *(for the weld 100 class)*	GTAW WP 20 TORCH KIT: 3/32" RED/GOLD TUNGSTEN, 3/32" COLLET, 3/32" COLLET BODY, # 6 CERAMIC CUP, 7" TIG TORCH END CAP, & WP 18 TORCH GASKET
GTAW-TIG WELDING GLOVES*(for the weld 100 class)*	45V43 GAS LENS FOR 1/16" TUNGSTEN
	GTAW - TIG WELDING GLOVES
<b>APPROXIMATE COST = \$125.00</b>	<b>APPROXIMATE COST = \$205.00</b>

**HIGHLY RECOMMENDED TO PURCHASE AN SMAW ELECTRODE HOLDER/STINGER WHIP COMBO**

**GTAW TORCH PARTS FOR WP-20 MODEL**



- |  |   |
|--|---|
| 1. 3/32" Collet.   | Part #: 13N23   |
| 2. 3/32" Collet Body.  | Part #: 13N28   |
| 3. #5 Alumina Nozzle.  | Part #: 13N09 (Pink Ceramic Cup)                      |
| 4. Back Cap insert   | Part #: 9-4   |
| 5. Long Back Cap   | Part #: 41V24   |
| 6. WP-20 Cup Gasket.   | Part #: 598882  |
| 7. WP-18 Cup Gasket.   | Part #: 18CG  |
| 8. Tungsten Electrode  | (No part # for tungsten) (Need Blue or Gold Tungsten) |
| 9. The tungsten size needed for CCC classes is size 3/32"                            |   |
| 10. The type of tungsten needed for CCC classes is a 2% Lanthanated Blue Tungsten.   |   |
| OR   |   |
| 11. The type of tungsten needed for CCC classes is a 1.5% Lanthanated Gold Tungsten. |   |
| 12. The type of torches used at Cerritos College are: WP-20.                         |   |

Note: Students do not need to buy a WP 20 torch body. All GTAW welding machines at CCC have permanently hard wired torches attached to the Miller Dynasty GTAW Welding Machines.

## Cerritos College Welding Department, GTAW WP Series 20

Diameter	0.020 (.5mm)	0.040 (1.0mm)	1/16" (1.6mm)	3/32" (2.4mm)	1/8" (3.2mm)		
Collet (13v)	13N20	13N21	<b>13N22</b>	<b>13N23</b>	13N24		
Collet Body (13n)	13N25	13N26	<b>13N27</b>	<b>13N28</b>	13N29		
Gas Lenses (45v)	45V41	45V42	<b>45V43</b>	45V44	45V45		
Alumina Nozzle Size (cup)	Inches	Millimeters	1 5/32"	1 7/8" long	2 1/2" x-long	3 35/64" xx-long	1" (gas lens)
3	3/16"	4	13N08-3	796F70 (3L)	796F74 (3XL)		
<b>4</b>	<b>1/4"</b>	<b>6</b>	<b>13N08</b>	796F71 (4L)	796F75 (4XL)	796F79	53N58
<b>5</b>	<b>5/16"</b>	<b>8</b>	<b>13N09</b>	796F72 (5L)	796F76 (5XL)		53N59
6	3/8"	10	13N10	796F73 (6L)	796F77 (6XL)		53N60
7	7/16"	11	13N11				<b>53N61</b>
8	1/2"	12.5	13N12				53N61S
10	5/8"	16	13N13				
12	3/4"	19			796F74 (3XL)		
15	15/16"	24			796F75 (4XL)	796F79	53N58
Back-Cap			Insulator		796F76 (5XL)		53N59
Long	<b>41V24</b>		WP20	<b>598882</b>	796F77 (6XL)		53N60
Medium	41V35		WP18	<b>18CG</b>			<b>53N61</b>
Short	41V33		Back-Cap 20	9-4			53N61S
O-ring	98W77						

**Note: ALL Bold part identification codes are minimum requirements for GTAW classes**  
**Quantity: one of each.**

### Supply Websites for consideration:

- [weldingcity.com](http://weldingcity.com)
- [cyberweld.com](http://cyberweld.com)
- [netwelder.com](http://netwelder.com)