



*Air Cooled CO2/MAG Welding Torch*

# **BLUE TORCH III**

## **OWNER'S MANUAL** 『Parts List』

BT430D-30UT . . . 1U6340  
BT430D-45UT . . . 1U6341  
BT430D-60UT . . . 1U6342

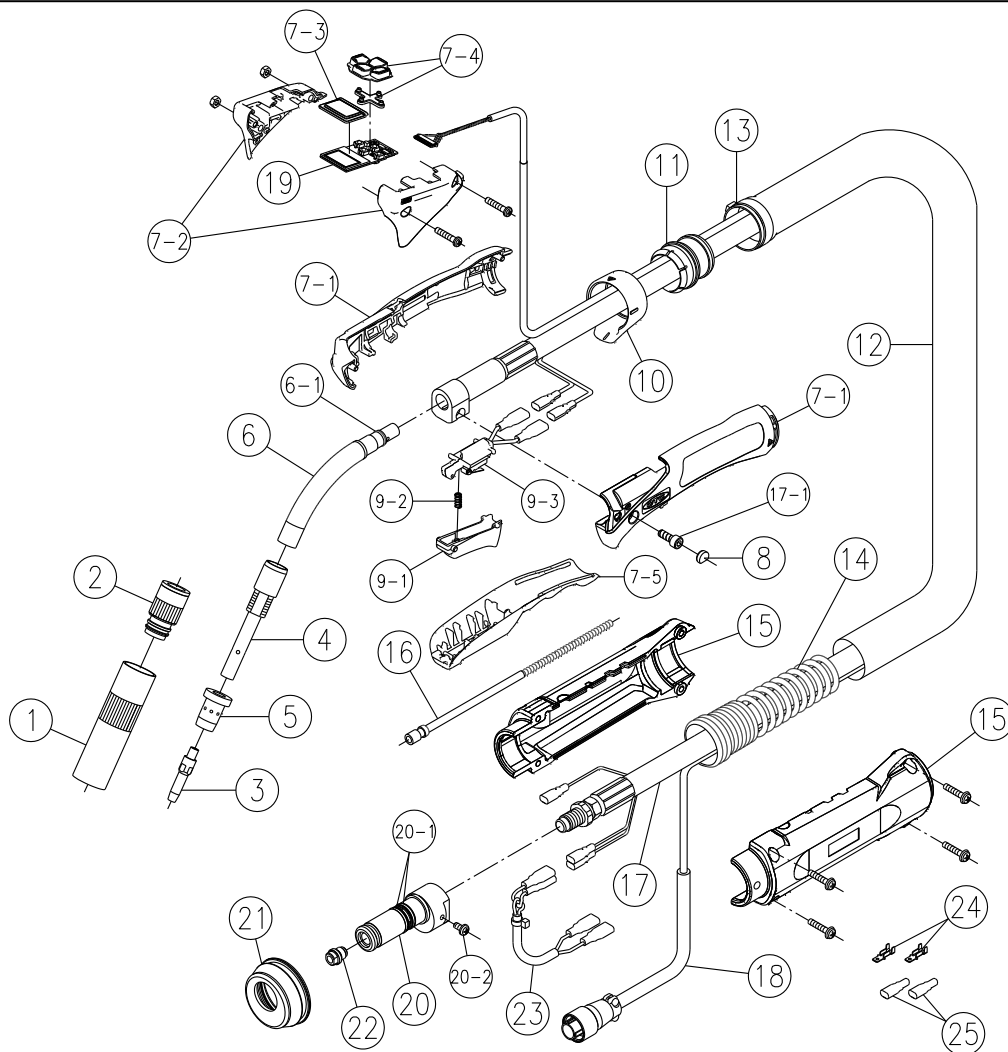
# **BT430D-30UT** **BT430D-45UT** **BT430D-60UT**

### ■ Rated Specification

Rated Current and Duty Cycle		430A 35%(CO2) / 370A 35%(MAG)		
Torch Length		3.0m/10ft	4.5m/15ft	6.0m/20ft
Net Weight		4.4kg/9.7lb	5.9kg/13.0lb	7.4kg/16.3lb
Diameter range of the electrode ※1	mm	1.2 , (1.4) , (1.6)		
	inch	.045 , (.052) , (1/16)		
Type of the electrode		Mild steel wire , Flux-cored wire		
Type of shielding gas		CO2 , MAG		
Type of cooling		Air Cooled		
Method of guidance		Manual		
Voltage rating		113V(Peak)		
Torch switch technical data		DC30V 3A		

※1:“( )”: Optional parts are necessary.

# Standard Parts List

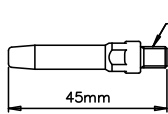
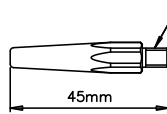
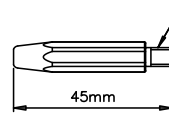
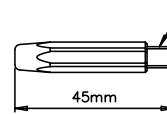


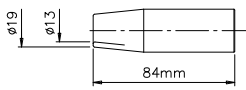
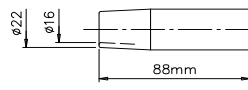
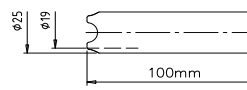


No.	Part Description	Part No.	No.	Part Description	Part No.
①	Nozzle (I.D.19mm)	U4173G01	⑬	Binder	4739-606
②	Insulator	U4173L00	⑭	Spring	U5626M04
③	Contact Tip (1.2mm/.045")	K980C26	⑮	Cable Support (with Screw)	U6205S00
④	Tip Body	U4173G21	⑯	Liner	
⑤	Orifice	U4173G02		3.0m/10ft (1.2~1.6mm/.045"~1/16")	U6199L00
⑥	Torch Body (R130,55°)	U6202B00		4.5m/15ft (1.2~1.6mm/.045"~1/16")	U6200L00
⑥-1	O-Ring (S9-4D)	3574-001		6.0m/20ft (1.2~1.6mm/.045"~1/16")	U6201L00
⑦	Handle KIT (⑦-1~5 is included.)	U6280V00	⑰	Power Cable (with Screw)	
⑦-1	Handle (L/R)	U6256D00		3.0m/10ft	U6292D00
⑦-2	Handle (Upper L/R with Screw)	U6280X00		4.5m/15ft	U6293D00
⑦-3	Screen Cover	U6280H03		6.0m/20ft	U6294D00
⑦-4	Button (with Button Guide)	U6280Y00	⑰-1	Bolt with hole (M5X14)	100-0310
⑦-5	Handle (Lower)	U6196H04	⑱	Communication Cable	
⑧	Cap	U5341G01		3.0m/10ft	U6286U00
⑨	Trigger ASSY (⑨-1~3 is included.)	U6190T00		4.5m/15ft	U6287U00
⑨-1	Trigger	U6190T01		6.0m/20ft	U6288U00
⑨-2	Trigger Spring	U157E04	⑲	Control Board	K5961P00
⑨-3	Switch ASSY	U6190Q00	⑳	Power Fitting "NO.5" (with Screw)	U5981E00
⑩	Lock Ring	U6205H05	⑳-1	O-Ring (JASO-1016(4D))	100-0819
⑪	End Joint	U5626R01	⑳-2	Small Screw (M4X8)	100-0297
⑫	Hose Sheath		㉑	Rubber Sleeve	U5972G01
	3.0m/10ft	U6205R00	㉒	Wire Guide (1.2~1.6mm/.045"~1/16")	U5978G02
	4.5m/15ft	U6287R00	㉓	Switch Cord	U5972F00
	6.0m/20ft	U6288R00	㉔	Terminal (LOM-21T-187)	100-0820
			㉕	Cap (253224)	100-0821

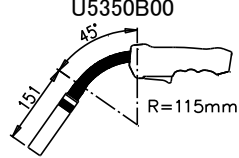
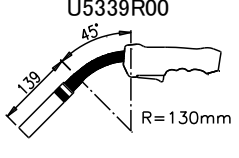
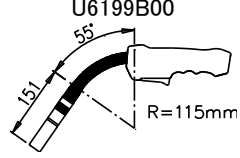
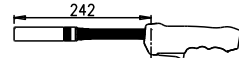
# Optional Parts List

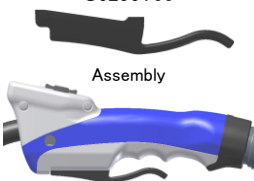
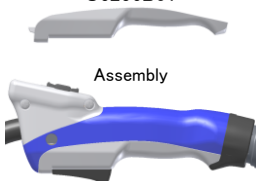
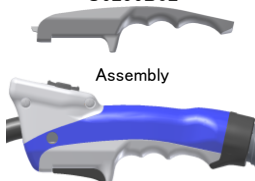
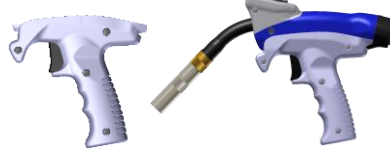
※The dimension of the drawing is a reference value.

UNIT (mm)


Contact Tip				
	A-Tip (Standard)	T-Tip (High Current)	CW-Tip (Long Life)	Heavy Current
Wire Size				
1. 2mm (.045")	K980C26 K980C73 (For FCW)	K980C19	K990E12	U4167H12
1. 4mm (.052")	K980C27 K980C74 (For FCW)	K980C20	K990E14	U4167H11
1. 6mm (1/16")	K980C28	K980C21	K990E16	U4167H10

Nozzle			Heat Shield	
Low Current		Arc Spot	Standard	For "Pistol Grip Handle"
U5353V01	U4173H01	U4173H02	U6256H00	U6256N00
				

Torch Body			
R115, 45°	R130, 45°	R115, 55°	Straight
U5350B00	U5339R00	U6199B00	U5339J00
			

Modular Torch Handle/Trigger Options <small>(tool-less/quick-change style)</small>			
Extended Trigger	Slim Grip Handle	Trigger Guard Grip Handle	Pistol Grip Handle Kit
U6256T00	U6256B01	U6256B02	U6256K00
			

※1 "Extended Trigger" is not made in combination with "Trigger Guard Grip Handle" and "Pistol Grip Handle Kit".  
 ※2 "Switch ASSY(U6190Q00)" and "Trigger Spring(U157E04)" are not included in "Extended Trigger".  
 ※3 "Trigger ASSY(U6190T00)" is not included in "Slim Grip Handle" and "Trigger Guard Grip Handle".  
 ※4 Please order "U6256M00" towards "Trigger ASSY(U6190T00)" is not required to "Pistol Grip Handle Kit".

Inner Liner		
Wire Size	Part No.	These are available for the torch bodies above.
1.2~1.6mm/.045"~1/16"	U5003L26	
		

Liner		
Wire Size	Length	Part No.
1.2mm/.045"	6.0m/20ft	U6195L00

■ Voltage Detecting Cable  
 Part No. : U 5 3 6 5 P 0 0

※In order to use voltage detecting cable, you will need to modify the welding power source and wire feeder. For detail, see owner's manual of the welding power source and wire feeder.

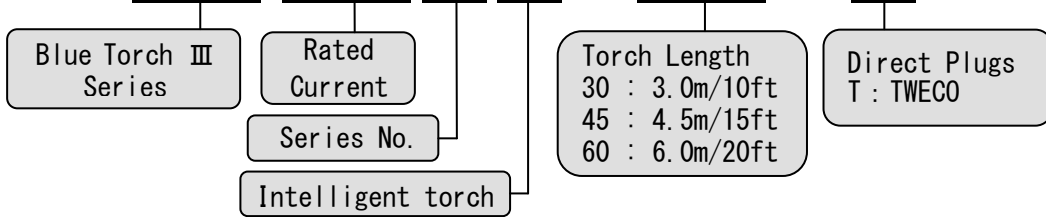
■ Intelligent torch combined equipment

Wire Feeder : CM - 7 4 3 - U  
 + Intelligent panel kit (K5952G00)  
 + LCD panel (E-2627) or digital panel (E-2628)

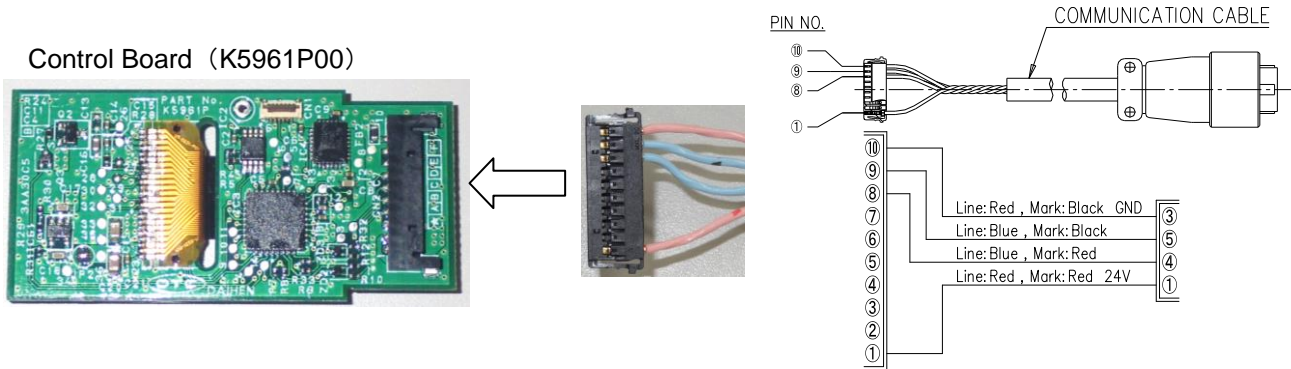
Welding Power Source : CO2/MAG Welbee series

## Torch Type

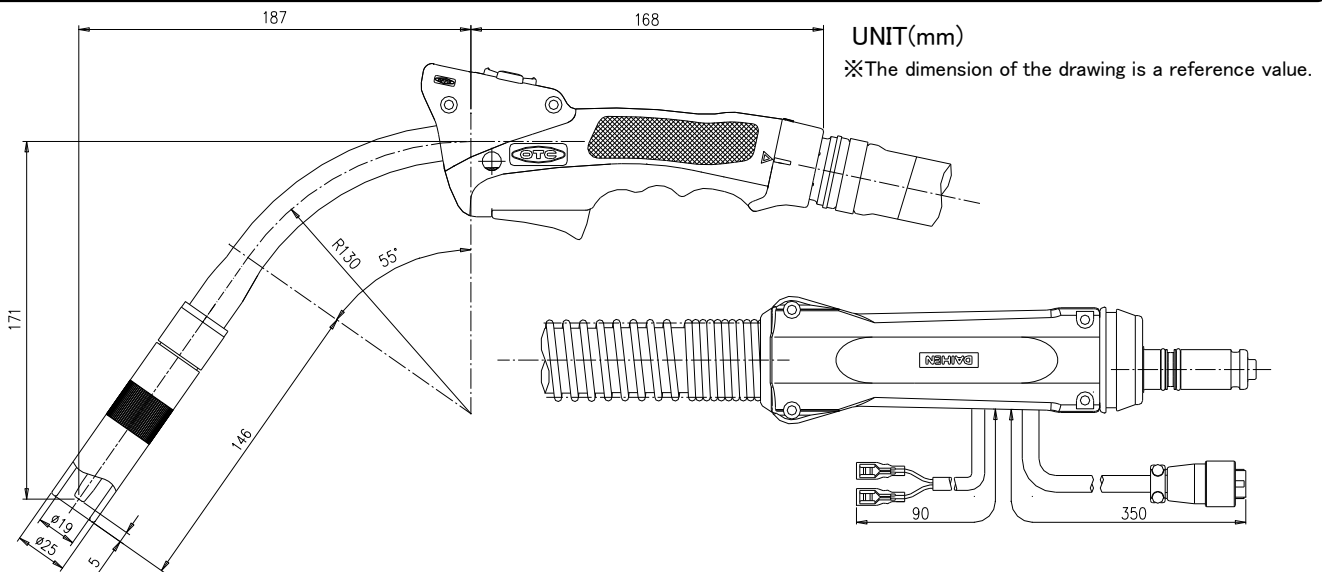
# BT 430D-30UT



## Electrical connection diagram



## Dimensional Outline Drawing



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