

*Advanced Air Cooled CO<sub>2</sub>/MAG Welding Torch*

# BLUE TORCH

## OWNER'S MANUAL 『Parts List』

WT3510 - SUT . . . 1U5975  
 WT3510 - MUT . . . 1U5976  
 WT3510 - LUT . . . 1U5977

*WT3510 - SUT*  
*WT3510 - MUT*  
*WT3510 - LUT*

### Technical Data

Rated Current : 350A ( CO<sub>2</sub> ) / 300A ( MAG )

Duty Cycle : 60% ( CO<sub>2</sub> ) / 30% ( MAG )

Wire Size : 0.9mm、 1.0mm、 1.2mm、 1.4mm

.035"、 .040"、 .045"、 .052"

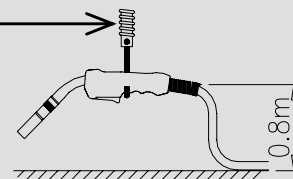
(1.2mm / .045" Tip is standard.)

Torch Length : 3.0m/10ft    4.5m/15ft    6.0m/20ft

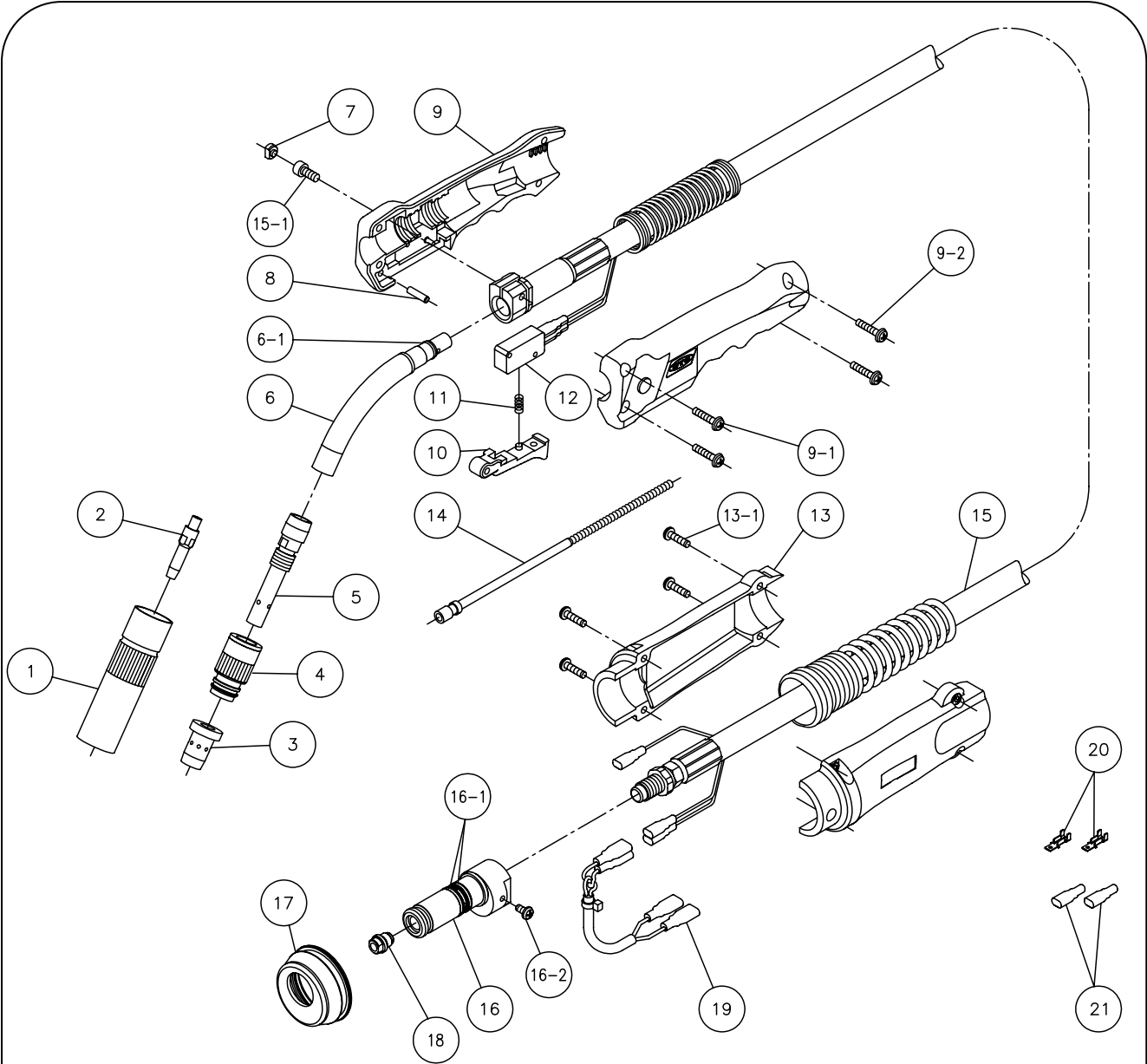
Net Weight : 2.9kg/6.4lb    3.8kg/8.4lb    4.7kg/10.4lb

Weight at Operating : 1.2kg/2.6lb

Cooling Method : Air Cooled



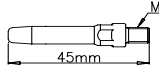
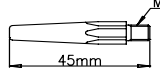
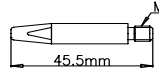
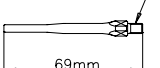


# Standard Parts List

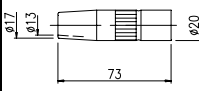
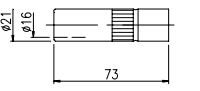
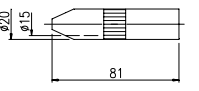
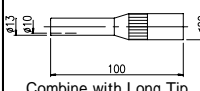


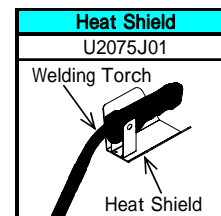
No.	Description	Part No.	Remarks
	Nozzle	U4167G01	I.D.16mm
	Contact Tip	K980C26	1.2mm/.045"
	Orifice	U4167G02	
	Insulator	U4167L00	
	Tip Body	U4167G03	
	Torch Body	U5347B00	R77, 55 °
-1	O-Ring	3574-001	S9
	Cap	U5341G01	
	Flat Pin	U5035G03	
	Handle	U5035G00	
-1	Small Screw	100-0308	M4 x 20
-2	Small Screw	100-0306	M4 x 16
	Trigger	U5035E01	
	Spring	U157E04	
	Micro Switch	4254-137	Dustproof Type
	Cable Support	U5035K00	
-1	Small Screw	100-0306	M4 x 16

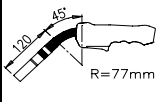
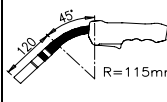
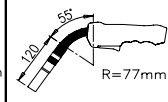
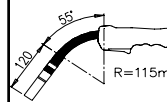
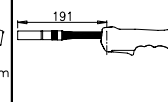
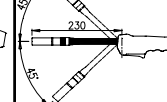
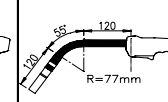
No.	Description	Part No.	Remarks
	Liner		
	3.0m/10ft	U4170H02	0.9 ~ 1.2mm / .035" ~ .045"
	4.5m/15ft	U4535G01	1.0 ~ 1.2mm / .040" ~ .045"
	6.0m/20ft	U4172H01	1.2mm/.045"
	Power Cable		
	3.0m/10ft	U5347D00	
	4.5m/15ft	U5348D00	
	6.0m/20ft	U5349D00	
-1	Bolt with hole	100-0310	M5 x 14
	Power Fitting	U5972E00	For "NO.4"
-1	O-Ring	100-0818	AS-014(4D)
-2	Small Screw	100-0297	M4 x 8
	Rubber Sleeve	U5972G01	
	Wire Guide	U5972G02	0.9 ~ 1.2mm / .035" ~ .045"
	Switch Cord	U5972F00	
	Terminal	100-0820	LOM-21T-187
②	Cap	100-0821	253224

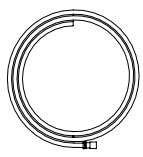
## Optional Parts List

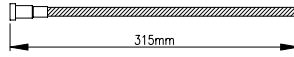
Contact Tip						
Wire Size	A-Tip (Standard)	T-Tip (High Current)	F-Tip (Low Current)	Long Tip	CW-Tip (Long Life)	Heavy Curmt
						
0.9mm (.035")	K980C24	K662B12	K980C03	U4167H07	-	U4167H14
1.0mm (.040")	K980C25	K980C17	K980C04	U4167H06	-	U4167H13
1.2mm (.045")	K980C26 K980C73(For FCW)	K980C19	K980C05	U4167H05	K990E12	U4167H12
1.4mm (.052")	K980C27 K980C74(For FCW)	K980C20	K980C06	-	K990E14	U4167H11


Nozzle			
Low Current	High Current	Arc Spot	Deep and Narrow Space
U4167H01	U4167H16	U4170H01	U4167H04
			
			Combine with Long Tip.



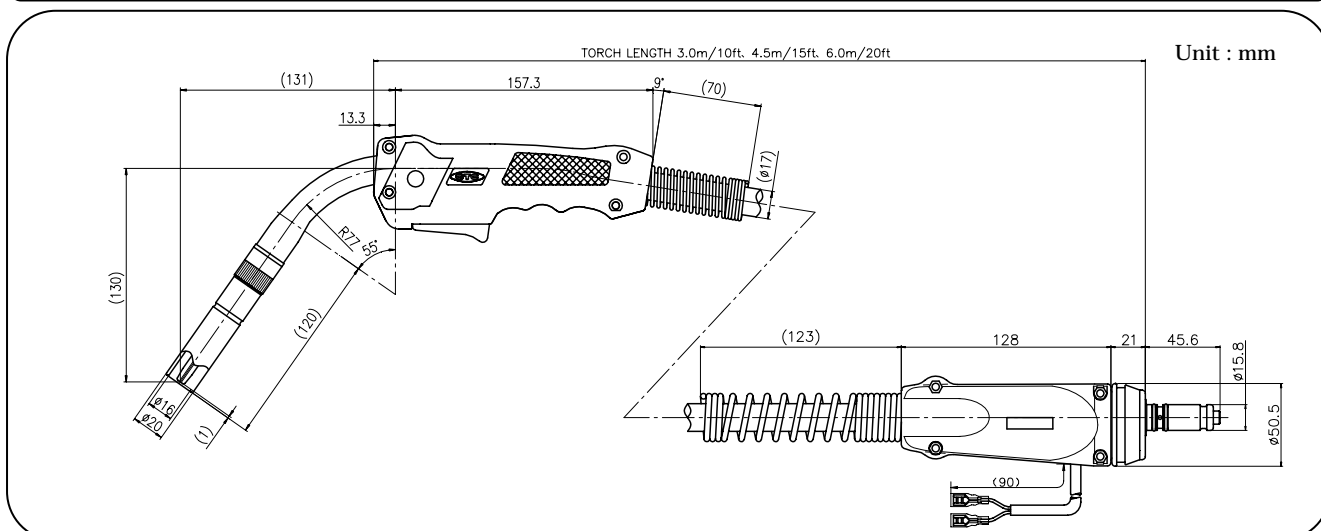
Torch Body						
R77, 45°	R115, 45°	R77, 55°	R115, 55°	Straight	Flexible	Long Neck
U5339B00	U5339C00	U5347B00	U5350B00	U5339H00	U5339L00	U5339N00
						
		Standard			Inner liner is required.	

Liner			
Wire Size	Length	Part No.	
1.2 ~ 1.6mm .045" ~ 1/16"	3.0m/10ft	U4173G04	
1.2 ~ 1.6mm .045" ~ 1/16"	4.5m/15ft	U4537G01	
1.2 ~ 1.6mm .045" ~ 1/16"	6.0m/20ft	U4175G04	

Inner Liner		
Wire Size	Part No.	These are available for the torch bodies above.
0.8 ~ 1.2mm .030" ~ .045"	U5003L82	
1.2 ~ 1.6mm .045" ~ 1/16"	U5003L26	
		

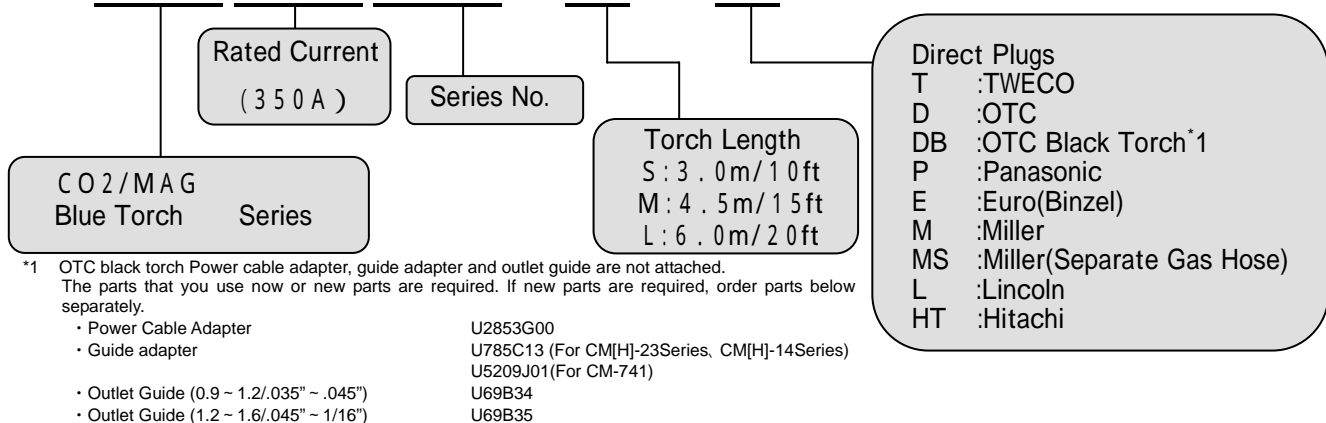
Wire Guide	
Wire Size	Part No.
1.2 ~ 1.6mm .045" ~ 1/16"	U5978G02
	

## External View



## Torch Type

# WT 35 10 - S U T



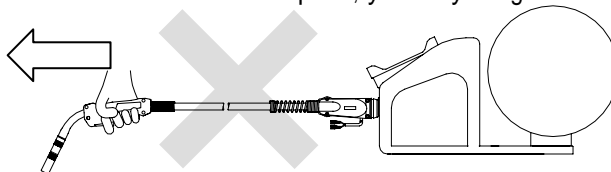
## Product Line of OTC Blue Torch Series

Model	WT3510			WT4000			WT5000		
Rated Current	350A(CO <sub>2</sub> ) / 300A(MAG)			400A(CO <sub>2</sub> ) / 350A(MAG)			500A(CO <sub>2</sub> ) / 450A(MAG)		
Duty Cycle	60% (CO <sub>2</sub> ) / 30% (MAG)			60% (CO <sub>2</sub> ) / 30% (MAG)			60% (CO <sub>2</sub> ) / 30% (MAG)		
Wire Size (mm / inch)	(0.9 / .035") (1.0 / .040") (1.2 / .045") (1.4 / .052")	(1.0 / .040") (1.2 / .045") (1.4 / .052")	1.2 / .045" (1.4 / .052")	1.2 / .045" (1.4 / .052") (1.6 / 1/16")			1.2 / .045" (1.4 / .052") (1.6 / 1/16")		
Torch Length	3.0m / 10ft	4.5m / 15ft	6.0m / 20ft	3.0m / 10ft	4.5m / 15ft	6.0m / 20ft	3.0m / 10ft	4.5m / 15ft	6.0m / 20ft
Net Weight	2.9kg / 6.4lb	3.8kg / 8.4lb	4.7kg / 10.4lb	3.2kg / 7.1lb	4.3kg / 9.5lb	5.3kg / 11.7lb	3.6kg / 7.9lb	4.8kg / 10.6lb	5.9kg / 13.0lb
Cooling Method	Air Cooled			Air Cooled			Air Cooled		

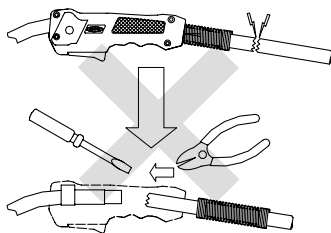
In case of using wire size in the parenthesis, separate sale items are required.

## Attention

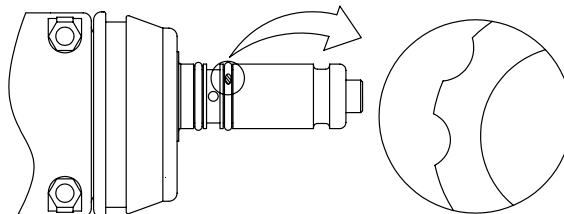
Do not pull or move the wire feeder with welding torch, otherwise breaking of the power cable and the cable coating would be tear. If the conductor becomes expose, you may be got electric shocked.



Replace the power cable when it is damaged. Do not disassemble or repair on damping part.



In the case of damaging the O-ring, please replace it. If the damaged O-ring is used as it is, it may cause welding defect.



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