

Powermax85®

Duramax® hand/machine torch consumables



Minimum order quantity		1	1	5	5	1
Consumable type	Torch type	Shield/deflector	Retaining cap	Nozzle	Electrode	Swirl ring
Drag-cutting (30–85 A)	Hand	220818²	220854	220941² (45 A)	220842² or 220777¹²	220857
				220819² (65 A)		
				220816² (85 A)		
Quantity in kit		2	1	7	7	1
NEW Essential cutting kit – 851468 (30–85 A)	Hand	220818	220854	220816	220842	220857



¹For longer consumable life when cutting metal 1/2 inch (12 mm) and under, check out the CopperPlus electrode (part number 220777).

²Consumable available in bulk packaging. See order information below.



Minimum order quantity		1		1	5		5		1		
Consumable type	Torch type	Shield/deflector		Retaining cap		Nozzle		Electrode		Swirl ring	
Mechanized (30–85 A)	Machine	220817 ² or 220955 ³		220854 or 220953 ohmic		220941 ² (45 A)		220842 ² or 220777 ^{1,2}		220857	
						220819 ² (65 A)					
						220816 ² (85 A)					
Quantity in kit		2		1		7		4		3	
NEW Essential cutting kit – 851469 or 851470 (ohmic) (30–85 A)		Machine		220817 (Shield)		220955 (Deflector)		220854 or 220953 ohmic		220816 ²	
								220842 (Cutting)		220777 (CopperPlus)	
										220857	



¹For longer consumable life when cutting metal 1/2 inch (12 mm) and under, check out the CopperPlus electrode (part number 220777).

²Consumable available in bulk packaging. See order information below.

³Deflector for unshielded cutting.



Minimum order quantity		1	1	5	5	1
Consumable type	Torch type	Shield/deflector	Retaining cap	Nozzle	Electrode	Swirl ring
Max removal gouging ⁴ (45–85 A)	Hand/Machine	220798	220854	220797 ²	220842 ²	220857
Max control gouging ⁵ (45–85 A)	Hand/Machine	420480	220854	220797 ²	220842 ²	220857

²Consumable available in bulk packaging. See order information below.

⁴The Max removal gouging shield is designed for aggressive metal removal, deep gouge profiles and extreme metal washing.

⁵The Max control gouging shield is designed for more precise metal removal, shallower gouge profiles and light metal washing.



Minimum order quantity		1	1	5	5	1
Consumable type	Torch type	Shield/deflector	Retaining cap	Nozzle	Electrode	Swirl ring
FineCut® (30–45 A)	Hand	220931	220854 or 220953 (ohmic)	220930 ²	220842 ²	220947
	Machine	220955 or 2209948 (ohmic)				220857

²Consumable available in bulk packaging. See order information below.



Minimum order quantity		1	1	1	1	
Consumable type	Torch type	Retaining cap	Nozzle	Electrode	Swirl ring	
HyAccess drag-cutting (30–65 A)	Hand	420413	420410	420408	220857	
HyAccess gouging (30–65 A)			420412			
Quantity in kit		1	1	1	2	1
HyAccess kit – 428414 (30–65 A)	Hand	420413	420410 (cutting)	420412 (gouging)	420408	220857
		HyAccess cutting only starter pack – 428445 ⁶ HyAccess gouging only starter pack – 428446 ⁷				



Warning: The Duramax HyAccess (65 amps and below) consumables should not be operated above 65 amps

⁶Starter pack contains 1 retaining cap (420413), 1 cutting nozzle (420410) and 1 electrode (420408)

⁷Starter pack contains 1 retaining cap (420413), 1 gouging nozzle (420412) and 1 electrode (420408)

Duramax® consumable bulk kits

Order quantity	25	25	25	25	25	25	25	10	10
Bulk kit part number	228934	228767	228761	228762	228765	228759	228760	228763	228764
Contents	220777 electrode	220842 electrode	220930 nozzle	220797 nozzle	220941 nozzle	220819 nozzle	220816 nozzle	220817 shield	220818 shield



See pages 56–57 for current system part number information.

Duramax® 75° hand torch parts

For use with the Powermax85®

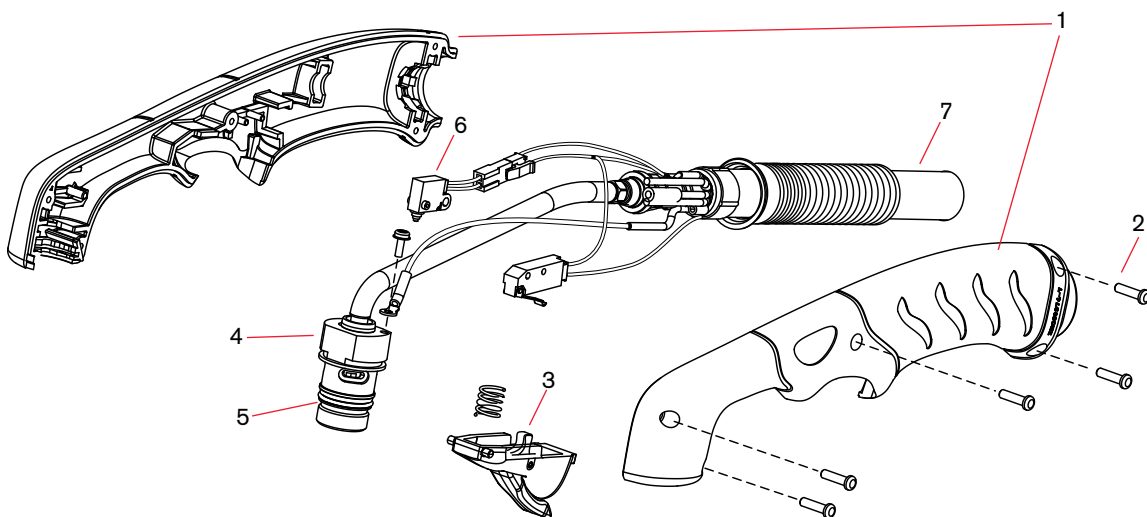


Duramax 75° hand torch assembly

Item	Kit/Part number	Description
	059473	Duramax 75° hand torch assembly with 7.6 m (25') lead
	059474	Duramax 75° hand torch assembly with 15.2 m (50') lead
	059475	Duramax 75° hand torch assembly with 22.8 m (75') lead
1	228954	Kit: Duramax 75°/HRT Torch handle replacement
2	075714 ¹	Handle screws, #4 x 1/2 slotted TORX pan head, S/B
3	228721	Kit: Duramax 75°/Duramax 15°/HRT/HRTs (spring and trigger assembly)
4	228714 ¹	Kit: Duramax 75° Torch main body replacement (3/8" coupler)
4	228958 ¹	Kit: Duramax 75° Torch main body replacement (1/2" coupler)
5	058519	O-ring
6	228719	Kit: Duramax 75° Cap-sensor switch replacement
7	228959 ¹	Kit: Duramax 75° Torch lead replacement, 7.6 m (25')
7	228960 ¹	Kit: Duramax 75° Torch lead replacement, 15.2 m (50')
7	228961	Kit: Duramax 75° Torch lead replacement, 22.8 m (75')
	223035 ²	Kit: 85 A Work lead with hand clamp, 7.6 m (25')

¹Before ordering these parts verify the date the torch was built.

²Other work lead options available.



Duramax® 15° hand torch parts

For use with the Powermax85®

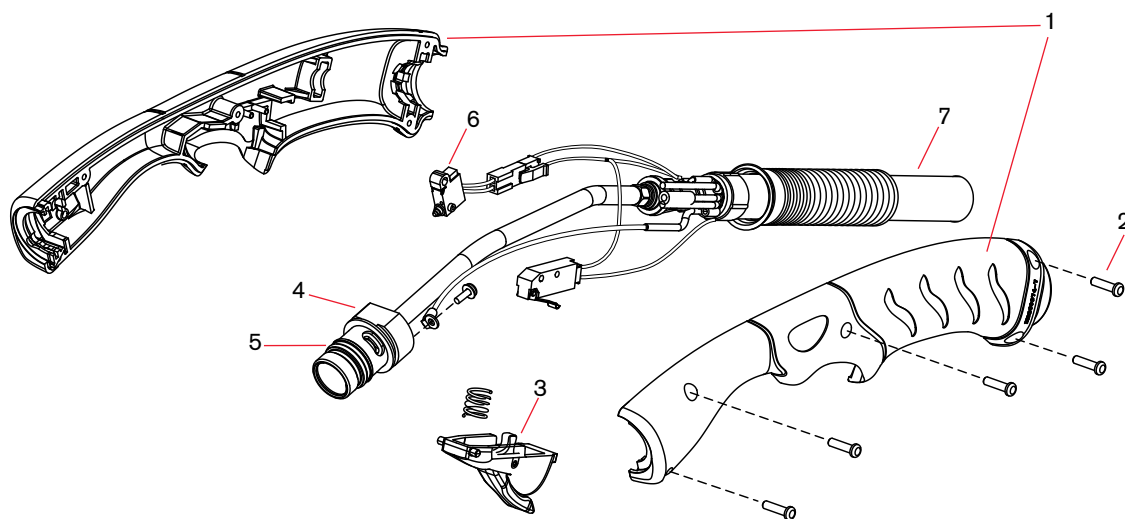


Duramax 15° hand torch assembly

Item	Kit/Part number	Description
	059470	Duramax 15° hand torch assembly with 7.6 m (25') lead
	059471	Duramax 15° hand torch assembly with 15.2 m (50') lead
	059472	Duramax 15° hand torch assembly with 22.8 m (75') lead
1	228955	Kit: Duramax 15° Torch handle replacement
2	075714 ¹	Handle screws, #4 x 1/2 slotted TORX pan head, S/B
3	228721	Kit: Duramax 15°/Duramax 75°/HRT/HRTs (spring and trigger assembly)
4	228715 ¹	Kit: Duramax 15° Torch main body replacement (3/8" coupler)
4	228957 ¹	Kit: Duramax 15° Torch main body replacement (1/2" coupler)
5	058519	O-ring
6	228109	Kit: Duramax 15° Cap-sensor switch replacement
7	228959 ¹	Kit: Duramax 15° Torch lead replacement, 7.6 m (25')
7	228960 ¹	Kit: Duramax 15° Torch lead replacement, 15.2 m (50')
7	228961	Kit: Duramax 15° Torch lead replacement, 22.8 m (75')
	223035 ²	Kit: 85 A Work lead with hand clamp, 7.6 m (25')

¹Before ordering these parts verify the date the torch was built.

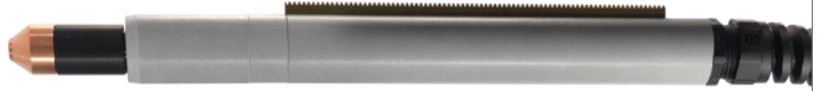
²Other work lead options available.



See pages 56-57 for current system part number information.

Duramax® 180° machine torch parts

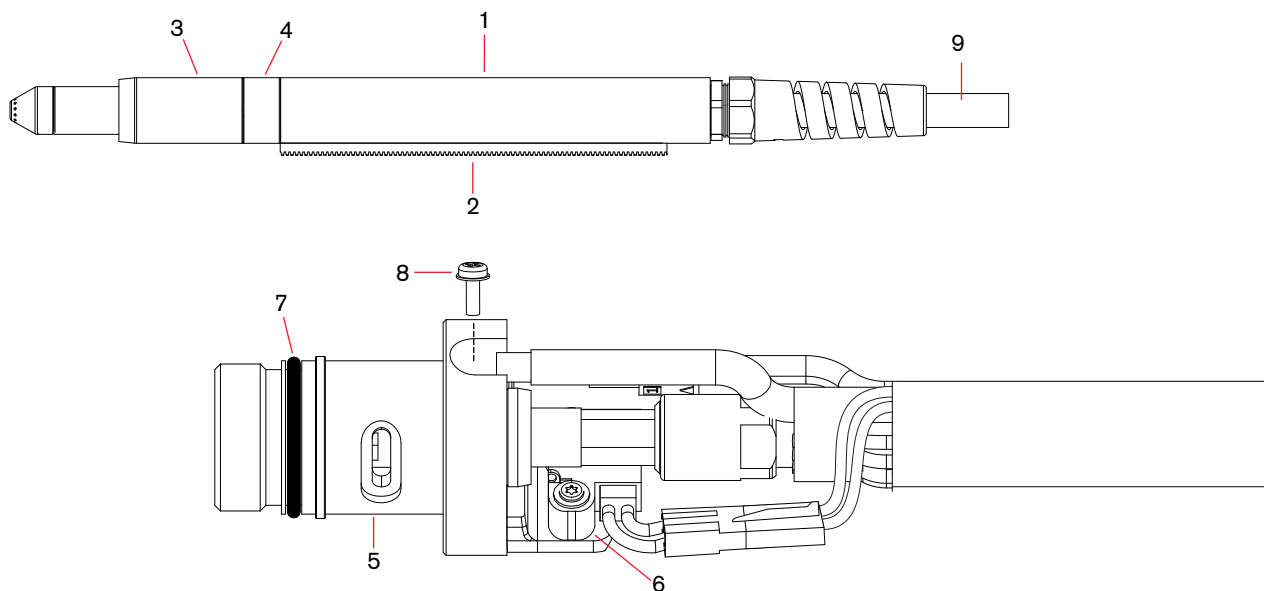
For use with the Powermax85®



Duramax 180° machine torch assembly

Item	Kit/Part number	Description
	059476	Duramax 180° machine torch assembly with 4.5 m (15') lead
	059477	Duramax 180° machine torch assembly with 7.6 m (25') lead
	059478	Duramax 180° machine torch assembly with 10.7 m (35') lead
	059479	Duramax 180° machine torch assembly with 15.2 m (50') lead
	059480	Duramax 180° machine torch assembly with 22.8 m (75') lead
1	228737	Kit: Duramax 180° positioning sleeve
2	228738	Kit: Duramax 180° removable gear rack
3	228735	Kit: Duramax 180°/Duramax 180° torch front mounting sleeve
4	228736	Kit: Duramax 180°/Duramax 180° torch adapter ring (coupler)
5	228716	Kit: Duramax 180°/Duramax 180° torch main body replacement
6	228720	Kit: Cap-sensor switch replacement
7	058519	O-ring
8	075504	Pilot terminal screw
9	228730	Kit: Duramax 180°/Duramax 180° torch lead replacement, 4.5 m (15')
9	228731	Kit: Duramax 180°/Duramax 180° torch lead replacement, 7.6 m (25')
9	228732	Kit: Duramax 180°/Duramax 180° torch lead replacement, 10.7 m (35')
9	228733	Kit: Duramax 180°/Duramax 180° torch lead replacement, 15.2 m (50')
9	228734	Kit: Duramax 180°/Duramax 180° torch lead replacement, 22.8 m (75')
	128650	Remote start pendant for machine torch, 7.6 m (25')
	128651	Remote start pendant for machine torch, 15.2 m (50')
	128652	Remote start pendant for machine torch, 22.8 m (75')
	223035 ¹	Kit: 85 A Work lead with hand clamp, 7.6 m (25')

¹Other work lead options available.



See pages 56–57 for current system part number information.

Duramax® 180° mini machine torch parts

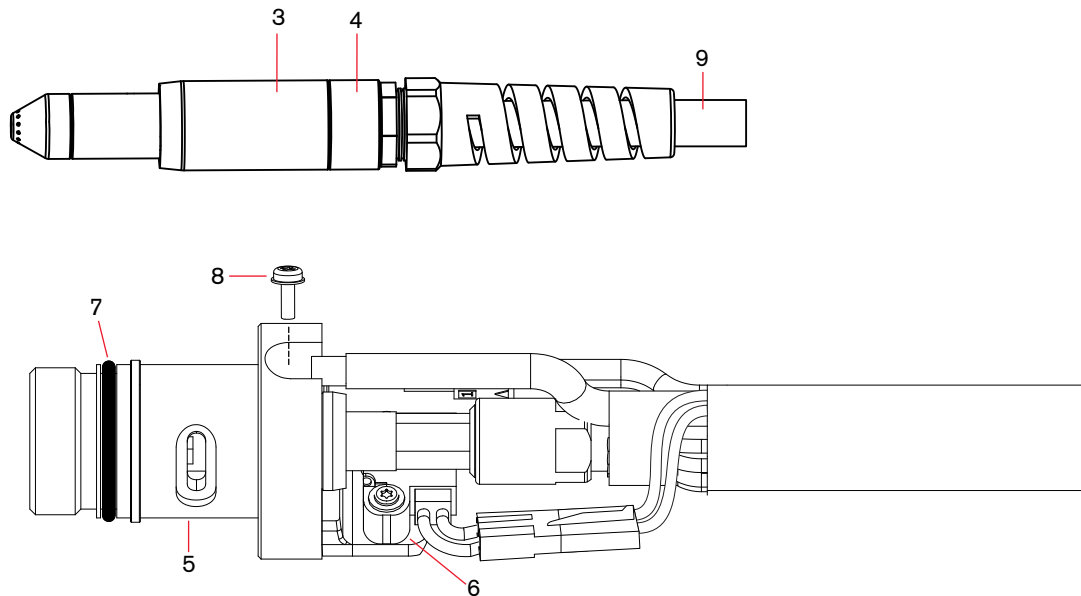
For use with the Powermax85®



Duramax 180° mini machine torch assembly

Item	Kit/Part number	Description
	059481	Duramax 180° mini machine torch assembly with 4.5 m (15') lead
	059482	Duramax 180° mini machine torch assembly with 7.6 m (25') lead
	059483	Duramax 180° mini machine torch assembly with 10.7 m (35') lead
	059484	Duramax 180° mini machine torch assembly with 15.2 m (50') lead
3	220956	Kit: Duramax 180°/Duramax 180° mini torch front mounting sleeve
4	220808	Kit: Duramax 180°/Duramax 180° mini torch adapter ring (coupler)
5	228716	Kit: Duramax 180°/Duramax 180° mini torch main body replacement
6	228720	Kit: Cap-sensor switch replacement
7	058519	O-ring
8	075504	Pilot terminal screw
9	228730	Kit: Duramax 180°/Duramax 180° mini torch lead replacement, 4.5 m (15')
9	228731	Kit: Duramax 180°/Duramax 180° mini torch lead replacement, 7.6 m (25')
9	228732	Kit: Duramax 180°/Duramax 180° mini torch lead replacement, 10.7 m (35')
9	228733	Kit: Duramax 180°/Duramax 180° mini torch lead replacement, 15.2 m (50')
9	228734	Kit: Duramax 180°/Duramax 180° mini torch lead replacement, 22.8 m (75')
	128650	Remote start pendant for machine torch, 7.6 m (25')
	128651	Remote start pendant for machine torch, 15.2 m (50')
	128652	Remote start pendant for machine torch, 22.8 m (75')
	223035 ¹	Kit: 85 A Work lead with hand clamp, 7.6 m (25')

¹Other work lead options available.



See pages 56-57 for current system part number information.

Duramax® 180° robotic torch parts

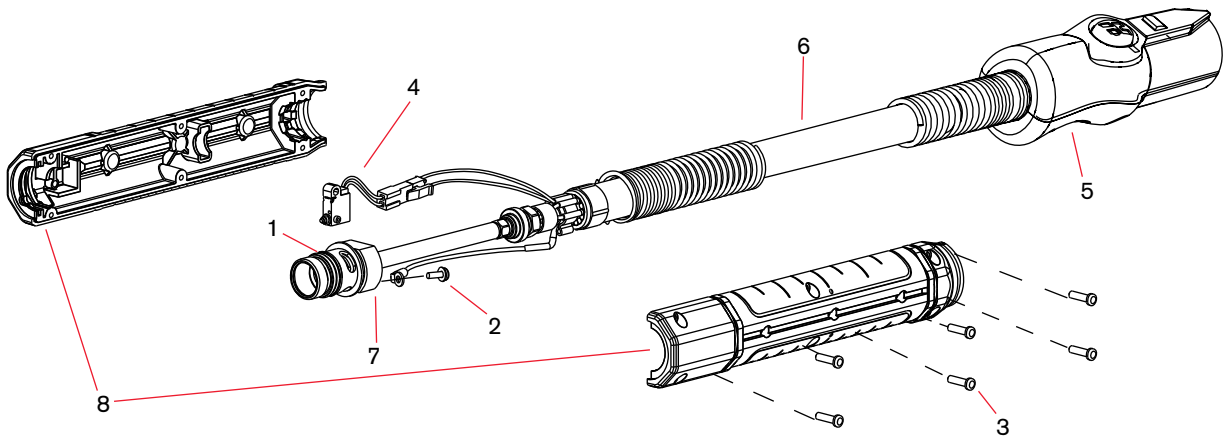
For use with the Powermax85®



Duramax 180° robotic torch assembly

The entire Duramax 180° robotic torch assembly with leads can be replaced, or individual component parts can be replaced.

Item	Kit/Part number	Description
	059466	180° Duramax robotic torch assembly with leads
1	058519	O-ring
2	075504	Pilot terminal screw
3	075714	#4 x 1/2 slotted TORX pan head screws
4	228109	Kit: Cap-sensor switch replacement
5	428260	Kit: FastConnect replacement
6	228852	Kit: Robotic torch lead replacement, 7.6 m (25')
7	228853	Kit: 180° Robotic torch main body replacement
8	228856	Kit: 180° Robotic torch positioning barrel replacement



Duramax® 90° robotic torch parts

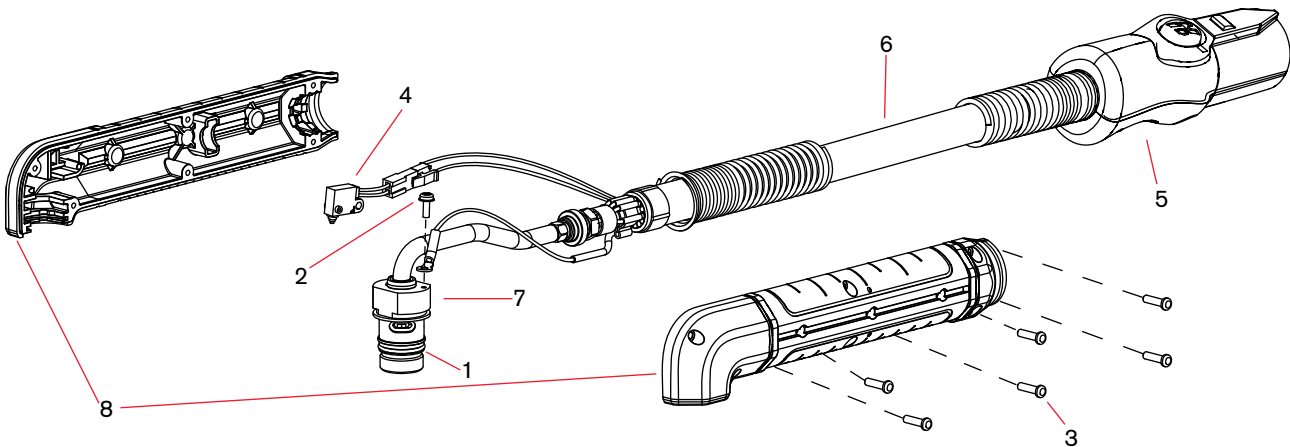
For use with the Powermax85®



Duramax 90° robotic torch assembly

The entire Duramax 90° robotic torch assembly with leads can be replaced, or individual component parts can be replaced.

Item	Kit/Part number	Description
	059465	90° Duramax robotic torch assembly with leads
1	058519	O-ring
2	075504	Pilot terminal screw
3	075714	#4 x 1/2 slotted TORX pan head screws
4	228109	Kit: Cap-sensor switch replacement
5	428260	Kit: FastConnect replacement
6	228852	Kit: Robotic torch lead replacement, 7.6 m (25')
7	228854	Kit: 90° Robotic torch main body replacement
8	228857	Kit: 90° Robotic torch positioning barrel replacement



Duramax® 45° robotic torch parts

For use with the Powermax85®



Duramax 45° robotic torch assembly

The entire Duramax 45° robotic torch assembly with leads can be replaced, or individual component parts can be replaced.

Item	Kit/Part number	Description
	059464	45° Duramax robotic torch assembly with leads
1	058519	O-ring
2	075504	Pilot terminal screw
3	075714	#4 x 1/2 slotted TORX pan head screws
4	228109	Kit: Cap-sensor switch replacement
5	428260	Kit: FastConnect replacement
6	228852	Kit: Robotic torch lead replacement, 7.6 m (25')
7	228855	Kit: 45° Robotic torch main body replacement
8	228858	Kit: 45° Robotic torch positioning barrel replacement

