

## Miller® MIG Gun History

Model Name	Serial Number Effective	Original Gun Breakdown	Recommended Replacement Gun (S)	Amperage of Gun at 100% Duty Cycle	Wire Size	Replacement Gun Breakdown
Sidekick™ XL/ Cricket®	All Serial Numbers	GA-16C (N/A)	MDX™-100 10 ft part number 1770028	100A	.030-.035 (0.8-0.9 mm)	pg 16
Cricket®	All Serial Numbers	GA-16C1 (N/A)	M-100 W/Friction terminals, 10 ft part number 220606	100A	.030-.035 (0.8-0.9 mm)	pg 20
Sidekick™ XL/ Cricket®/ Millermatic® 90	All Serial Numbers	GA-17C (N/A)	MDX™-100 10 ft part number 1770028	100A	.030-.035 (0.8-0.9 mm)	pg 16
			M-150 10 ft part number 249039	150A	.030-.035 (0.8-0.9 mm)	pg 20
			M-150 12 ft part number 249040			
Millermatic® 35	Prior to JA448186	(N/A)	M-150 10 ft part number 249039			
			M-150 12 ft part number 249040			
Millermatic® 120/130/150	Prior to KF849783	GA-17C (N/A)	M-150 10 ft part number 249039	150A	.030-.035 (0.8-0.9 mm)	pg 20
	Effective with KF849783	M-15 (N/A)	M-150 12 ft part number 249040			
Millermatic® 125	All Serial Numbers	M-80	M-80 part number 273618	100A	.023-.045 (0.6-1.1 mm)	pg 19
Millermatic® 130 XP	Prior to KK110539	10-A (N/A)	MDX™-100 10 ft part number 1770028	100A	.030-.035 (0.8-0.9 mm)	pg 16
	Effective with KK110539	M-10 (N/A)	M-150 10 ft part number 249039	150A	.030-.035 (0.8-0.9 mm)	pg 20
			M-150 12 ft part number 249040			
Millermatic® 135/140s/175/180/DVI™s/211	All Serial Numbers	M-10 (N/A)	MDX™-100 10 ft part number 1770028	100A	.030-.035 (0.8-0.9 mm)	pg 16
		pg 17	M-150 10 ft part number 249039		.030-.035 (0.8-0.9 mm)	pg 20
			M-150 12 ft part number 249040			
Millermatic® 141/190	All Serial Numbers	M-100	MDX™-100 10 ft part number 1770028	100A	.030-.035 (0.8-0.9 mm)	pg 16
Millermatic® Challenger™	All Serial Numbers	M-15 (N/A)	MDX™-100 10 ft part number 1770028	100A	.030-.035 (0.8-0.9 mm)	pg 16
		pg 17	M-150 10 ft part number 249039	150A	.030-.035 (0.8-0.9 mm)	pg 20
			M-150 12 ft part number 249040			
Millermatic® Challenger™ 172	Prior to KK118238	10-A (N/A)	MDX™-100 10 ft part number 1770028	100A	.030-.035 (0.8-0.9 mm)	pg 16
	Effective with KK118238	M-10 (N/A)	M-150 10 ft part number 249039	150A	.030-.035 (0.8-0.9 mm)	pg 20
		pg 17	M-150 12 ft part number 249040			
Millermatic® 185	All Serial Numbers	M-15 (N/A)	M-150 10 ft part number 249039	150A	.030-.035 (0.8-0.9 mm)	pg 20
		pg 17	M-150 12 ft part number 249040			
Millermatic® 200	GA-20C	M-25 (N/A)	MDX™-250 10 ft part number 1770035	250A	.030-.035 (0.8-0.9 mm)	pg 15
		pg 18	MDX™-250 12 ft part number 1770036			
			MDX™-250 15 ft part number 1770037			
Millermatic® 210/212/250X/251/252	All Serial Numbers	M-25 (N/A)	MDX™-250 10 ft part number 1770035	250A	.030-.035 (0.8-0.9 mm)	pg 15
		pg 18	MDX™-250 12 ft part number 1770036			
			MDX™-250 15 ft part number 1770037			
Millermatic® 250	Prior to KF851980	GA-21C (N/A)	MDX™-250 10 ft part number 1770035	250A	.030-.035 (0.8-0.9 mm)	pg 15
	Effective with KF851980	M-25 (N/A)	MDX™-250 12 ft part number 1770036			
		pg 18	MDX™-250 15 ft part number 1770037			
Millermatic® Vintage	All Serial Numbers	GA-20C (N/A)	MDX™-250 10 ft part number 1770035	250A	.030-.035 (0.8-0.9 mm)	pg 15
		GA-21C (N/A)	MDX™-250 12 ft part number 1770036			
		M-25 (N/A)	MDX™-250 15 ft part number 1770037			
		pg 18				
Millermatic® 300	All Serial Numbers	M-40 (N/A)	Q4015AE8EMC	400A	.035-.045 (0.9-1.2 mm)	pg 26
			Q4015AE8EMC			
			Q4015AE8EMC			
Millermatic® 350	Prior to LE443589	Roughneck C-4012	Q4015AE8EMC	400A	.035-.045 (0.9-1.2 mm)	pg 26
	Effective with LE443589	Q3015AE8XM	Q3015AE8XMC		.035-.045 (0.9-1.2 mm)	pg 25
Millermatic® Passport™/ Passport™ Plus	All Serial Numbers	M-10 (N/A)	MDX™-100 10 ft part number 1770028	150A	.030-.035 (0.8-0.9 mm)	pg 16
		pg 17	M-150 10 ft part number 249039	150A		pg 20
			M-150 12 ft part number 249040			
			M-150 15 ft part number 249041			
Millermatic® Pulser	All Serial Numbers	M-15 (N/A)	M-150 10 ft part number 249039	150A	.035-.045 (0.9-1.2 mm)	pg 20
		pg 17	M-150 12 ft part number 249040			
			M-150 15 ft part number 249041			

Optional Gun: MDX-250 Gun, Part Number 1770038, 15ft. 250A at 100% Duty Cycle, Wire Size (.035-.045in)



### MDX™ Series

100–250 Amp, Semi-Automatic, Air-Cooled MIG Welding Guns



### AccuLock™ Consumable Kits

Miller offers eight MIG consumable kits that are compatible with MDX™ Series guns. Each kit contains consumables that are specific to your welding application, including gun type and wire size.

- 1880272 – MDX-100, AccuLock MDX, .023" (0.6 mm) Wire
- 1880273 – MDX-100, AccuLock MDX, .030" (0.8 mm) Wire
- 1880274 – MDX-100, AccuLock MDX, .035" (0.9 mm) Wire

The above consumable kits contain 10 contact tips, 1 nozzle and 1 gas diffuser.

- 1880275 – MDX-250, AccuLock MDX, .030" (0.8 mm) Wire
- 1880276 – MDX-250, AccuLock MDX, .035" (0.9 mm) Wire
- 1880277 – MDX-250, AccuLock MDX, .045" (1.2 mm) Wire

The above consumable kits contain 10 contact tips, 1 nozzle, 1 gas diffuser and 1 insulator cap.

- 1880278 – MDX-250, AccuLock S, .035" (0.9 mm) Wire
- 1880279 – MDX-250, AccuLock S, .045" (1.2 mm) Wire

The above consumable kits contain 10 contact tips, 1 nozzle, 1 gas diffuser and 1 insulator cap.

## Accessories

For a complete listing of gun consumables information, please refer to pages 15–20.

# MDX™ -250 Service Parts/Consumables

Item #	Part #	Description	Quantity	
			Std Model	EZ-Select™
	1770035	MDX™-250, 10 ft. (3.0 m), AccuLock™ MDX consumables, .030-.035 in. (0.8-0.9 mm) wire		
	1770036	MDX™-250, 12 ft (3.7 m), AccuLock™ MDX consumables, .030-.035 in. (0.8-0.9 mm) wire		
	1770037	MDX™-250, 15 ft (4.6 m), AccuLock™ MDX consumables, .030-.035 in. (0.8-0.9 mm) wire		
	1770038	MDX™-250, 15 ft (4.6 m), AccuLock™ MDX consumables, .035-.045 in. (0.9-1.2 mm) wire		
	1770041	MDX™-250, 10 ft. (3.0 m), AccuLock™ S consumables, .035-.045 in. (0.9-1.2 mm) wire		
	1770042	MDX™-250, 12 ft (3.7 m), AccuLock™ S consumables, .035-.045 in. (0.9-1.2 mm) wire		
	1770043	MDX™-250, 15 ft (4.6 m), AccuLock™ S consumables, .035-.045 in. (0.9-1.2 mm) wire		
	1770046	MDX™-250 EZ-Select™, 15 ft (4.6 m), AccuLock™ S consumables, .035-.045 in. (0.9-1.2 mm) wire		
	1770047	MDX™-250 EZ-Select, 15 ft (4.6 m), AccuLock™ MDX consumables, .030-.035 in. (0.8-0.9 mm) wire		
1	N-M1200C	Nozzle, AccuLock™ MDX Copper, 1/2 in. Bore, Flush	1	1
	N-M1218C*	Nozzle, AccuLock™ MDX Copper, 1/2 in. Bore, .125 in. Recess	1	1
	N-M5800C*	Nozzle, AccuLock™ MDX Copper, 5/8 in. Bore, Flush	1	1
	N-M5818C*	Nozzle, AccuLock™ MDX Copper, 5/8 in. Bore, .125 in. Recess	1	1
	N-M58XTC*	Nozzle, AccuLock™ MDX Copper, 5/8 in. Bore, .125 in. Stick Out	1	1
	N-A5800CM	Nozzle, AccuLock™ S Copper, 5/8 in. Bore, Flush	1	1
	N-A5818CM*	Nozzle, AccuLock™ S Copper, 5/8 in. Bore, .125 in. Recess	1	1
	N-A5814CM*	Nozzle, AccuLock™ S Copper, 5/8 in. Bore, .250 in. Recess	1	1
2	T-M023*	Contact Tip, AccuLock™ MDX .023 in. Wire x 1.125 in.		
	T-M030*	Contact Tip, AccuLock™ MDX .030 in. Wire x 1.125 in.		
	T-M035*	Contact Tip, AccuLock™ MDX .035 in. Wire x 1.125 in.		
	T-M045*	Contact Tip, AccuLock™ MDX .045 in. Wire x 1.125 in.		
	T-M047*	Contact Tip, AccuLock™ MDX .047 in. Wire x 1.125 in.		
	T-A023CHM*	Contact Tip, AccuLock™ S .023 in. Wire x 1.125 in.		
	T-A030CHM*	Contact Tip, AccuLock™ S .030 in. Wire x 1.125 in.		
	T-A035CHM*	Contact Tip, AccuLock™ S .035 in. Wire x 1.125 in.		
	T-A039CHM*	Contact Tip, AccuLock™ S .039 in. Wire x 1.125 in.		
	T-A045CHM*	Contact Tip, AccuLock™ S .045 in. Wire x 1.125 in.		
3	D-M250	Diffuser, AccuLock™ MDX	1	1
	D-MA250M	Diffuser, AccuLock™ S	1	1
4	LM1A-10*	Liner, AccuLock™ MDX .023/.030 in. Wire x 10 ft	1	1
	LM1A-12*	Liner, AccuLock™ MDX .023/.030 in. Wire x 12 ft	1	1
	LM1A-15*	Liner, AccuLock™ MDX .023/.030 in. Wire x 15 ft	1	1
	LM2A-10	Liner, AccuLock™ MDX .030/.035 in. Wire x 10 ft	1	1
	LM2A-12	Liner, AccuLock™ MDX .030/.035 in. Wire x 12 ft	1	1
	LM2A-15	Liner, AccuLock™ MDX .030/.035 in. Wire x 15 ft	1	1
	LM3A-10	Liner, AccuLock™ MDX .035/.045 in. Wire x 10 ft	1	1
	LM3A-12	Liner, AccuLock™ MDX .035/.045 in. Wire x 12 ft	1	1
	LM3A-15	Liner, AccuLock™ MDX .035/.045 in. Wire x 15 ft	1	1
5	4623RM	Insulator, Neck	1	1
6	1040086	Neck	1	1
7	1960011	Nut, Locking	1	1
8	7000005	Terminal, Switch	2	2
9	1880264	Handle Kit, EZ-Select (includes Item No. 10 and Item No. 13)	0	1
	1880265	Handle Kit, Standard (includes Item No. 10 and Item No. 13)	1	0
10	2280065	Screw, Handle	4	4
11	211-5-MDX	Trigger, Switch	1	1
12	2620094	PCB Assembly, EZ-Select	0	1
13	1780099	Cap, Locking Handle	1	1
14	4932	Connector, Butt	2	2
15	GN2021	Control Plug, Miller	1	0
	1130059	Electrical Plug, EZ-Select	0	1
16	2520100	Strain Relief, Rear	1	1
17	2280056	Screw, Strain Relief	1	1
18	1620003	Cover, Screw	1	1
19	2200169	Power Pin Assembly	1	1
20	2200170	Power Pin Cap, .023/.030 in.	1	1
	2200171	Power Pin Cap, .030/.045 in.	1	1
21	2520033	Strain Relief, Rear Spring	1	1
22	4478	O-Ring, Power Pin	1	1

\*Optional

