



M-Lok, inc

Your Premier Metal Finishing Resource

Capability Guide



Registered to
ISO 9001



17760 Clarann Street
Melvindale, Michigan 48122
Phone (313) 928-6800 • Fax (313) 386-2270
www.reillyplating.com

Table of Contents

M-Lok, Inc Capabilities

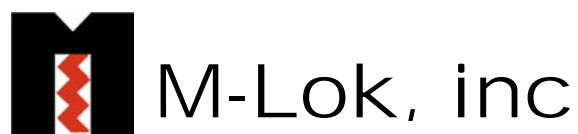
Thread Adhesives	1
Thread Sealants	1
Nylon Patch	1
Anti-Friction Coatings	1

Reilly Plating Capabilities

General Motors, Ford, Daimler-Chrysler Specifications	
Zinc Electroplating	3
Mechanical Plating	3
Zinc/Nickel Electroplating	3
Zinc/Iron Electroplating	3
Dakar™ Cathodic Acrylic E-Coat	4
Dip Spin Coatings	4
Japanese OEM Specifications	
Zinc, Zinc/Iron, Zinc/Nickel Electroplating	5
OEM Specifications	
Zinc Alloy Electroplating	6
Zinc Electroplating and Mechanical Plate	7
Delphi	8
Daimler-Chrysler	9

Other Capabilities

Vision Inspection	10
Hand Sorting	10
Packaging, Trucking	10
Laboratory Testing Services	10



www.reillyplating.com
 Phone (313) 928-6800 • Fax (313) 386-2270

General Motors	Ford Motor Company	Chrysler	Other Specifications	Description	Color
Thread Adhesives					
GM 6124			DX 520401	Fastener Adhesive Coating to 150C	Light Blue
GMW 14657 Grade A					
GM 6175	WX-200	PF 6616	IFI 125, 525	3M 2353 Scotch-Grip Adhesive Regular Temperature Grade to 95C	Blue
GMW 14657 Grade B	ES-20010	MS-CC76A	TRW TPS-C-20.089		
FBMS-11-30	ESA-M2G200-A		Detroit Diesel 9S278, 80K15		
	ESS-M11P24-A2		Hyundai-Kia MS 721-139 E		
			Daimler DBL 8830.00		
			DX 520402		
			ArvinMeritor Q-29		
GM 6193	ES-20007	PF 6616	TRW TMS-P-10.559	3M 2510 Scotch-Grip Adhesive Regular Temperature Grade to 150C	Orange
FBMS-11-30	ESB-M2G200-B	MS-CC76C	Hyundai-Kia MS 721-39 D,F		
	ESS-M11P24-A1		DX 520402		
GM 6194			DX 520403	High Temperature Grade to 200C	Yellow
GMW 14657 Grade C					
Thread Sealants					
GM 9985490	ESE-M4G208-A2	MS-CD16	Kelsey Hayes MS-109803	3M 4291 Thread Sealant to 150C	White
	WSS-M18P12-A		Detroit Diesel 9S317		
GM 9985473	WX-201	MS-CD914	Detroit Diesel 9S301, 80K14	Loctite VibraSeal 516/517 to 120C	Burnt Orange
	WSK-M4G328-A1-6		Weatherhead MS-71, PS-5040		
	WSK-M18P12-A		Navistar TMS-6919		
	ESA-M4G208-B1				
	EST-M4G208-B1,B2				
	ES-388525-S100				
Nylon Patch					
GM 6189	WA-970	PF-5144	IFI 124, 125	Nylon Patch	White
	ES-378813-S100	PF-5077	Navistar BM-4.101		
	ES-382101-S100	PF-5461	Dana ES-0226		
	ES-N800688-S100	PF-6157, PF-6158	International Truck ESP-BM-4.101-GS		
Anti-Friction Coatings					
GM 9986167		PS-9295		DrivEze™	Amber
	ES-N807750-S190			Molykote 7405	



www.reillyplating.com
 Phone (313) 928-6800 • Fax (313) 386-2270

General Motors	Ford Motor Company	Daimler-Chrysler	General Description	s/s hrs	Passivate	Color
Zinc Barrel Electroplating (hex chrome free)						
GMW 3044 G, X, N	WSS-M21P17-B3	S437	Zinc Plate, Passivate, Topcoat (ZinKlad™ 250)	120w 384r	Trivalent	Silver
GMW 3044 B G, X			Zinc Plate, Passivate	120w 240r	Trivalent	Black
	WSD-M1P85-A1	S434	Zinc Plate, Passivate	24r	Trivalent	Silver
	WSS-M21P17-B1	PS-8814	Zinc Plate, Passivate, JS500	96w 500r	Trivalent	Silver
		PS-79	Zinc Plate, Passivate	96w 144r	Trivalent	Silver, Black
		PS-4220	Zinc Plate with Bake (PS-9500)	96w 144r	Trivalent	Silver, Black
	WSS-M21P17-B5	PS-10509	Zinc Plate, Passivate, JS600	96w 500r	Trivalent	Silver
	WSS-M21P40-A1	S440	Zinc Plate, Passivate, Lubricated Al Rich Topcoat	240w 840r	Trivalent	Silver
Mechanical Plating (hex chrome free)						
		PS-1536	Mechanical Zinc, Passivate	96r	Trivalent	Silver
GMW 3044M G & X			Mechanical Zinc, Passivate, Topcoat (ZinKlad™ 250M)	120w 240r	Trivalent	Silver
GMW 3044MB			Mechanical Zinc, Passivate, Topcoat	120w 240r	Trivalent	Black
	WSS-M21P17-B4	S437M	Mechanical Zinc, Passivate, Topcoat (ZinKlad™ 250M)	96w 240r	Trivalent	Silver
	WSS-M21P17-B2			96w 240r	Trivalent	Silver
	WSS-M21P40-A2	S440M	Mechanical Zinc, Passivate, Lubricated Al Rich Topcoat	240w 840r	Trivalent	Silver
		S415		48w 120r	Trivalent	Silver
	WSE-M1P93-A5,6	PS-8956M		120w 400r	Trivalent	Silver
Groundhog™ Electrical Grounding Finish			Mechanical Tin/Zinc, Passivate, Topcoat	500w 1000r	Trivalent	Silver
MTB™ (Mechanical TriBlack)			Mechanical Zinc, Passivate, Topcoat	120w 240r	Trivalent	Black
Zinc Alloy Electroplating (hex chrome free)						
GMW 4700 Ni			Zinc/Nickel Plate, Passivate	480r	Trivalent	Black
		PS-10180	Zinc/Nickel Plate, Passivate, Cathodic Electrocoat	480w 1000r	Trivalent	Black
		PS-8955 Ni	Zinc/Nickel Plate, Passivate	140w 1000r	Trivalent	Black
	WSA-M1P87-A1		Zinc/Nickel Plate, Passivate	768r	Trivalent	Silver, Black
		PS-8955 Fe	Zinc/Iron Plate, Passivate	140w 400r	Trivalent	Black
	WSS-M21P46-A1	S433	Zinc/Iron Plate, Passivate, Organic Topcoat	200w 500r	Trivalent	Black



www.reillyplating.com
 Phone (313) 928-6800 • Fax (313) 386-2270

General Motors	Ford Motor Company	Daimler-Chrysler	General Description	s/s hrs	Passivate	Color
Zinc Barrel Electroplating						
GM 4345M 6K	ESF-M1P6-A		Zinc Plate, Passivate	48r	Trivalent	Silver
GM 4345M 6D	ESS-M1P45-A	S36	Zinc Plate, Yellow Chromate	72w 72r	Hex	Yellow
		S309	Zinc Plate, Yellow Chromate, Lubricant	48w 96r	Hex	Yellow
		S309U	Zinc Plate, Yellow Chromate	48w 96r	Hex	Yellow
		S421	Zinc Plate, Black Chromate, Lubricant	48w 96r	Hex	Black
GM 4345M 8K		S304	Zinc Plate, Passivate	24w 72r	Trivalent	Silver
		S408	Zinc Plate, Yellow Chromate, Molykote	48w 96r	Hex	Yellow
	ESE-M21P17-A1,A2		Zinc Plate, Chromate, JS500	96w 500r	Hex	Silver
Mechanical Plating						
	ESS-M1P45-A	S36M	Mechanical Zinc Plate, Chromate	48r	Hex	Yellow
		S404M	Mechanical Zinc Plate, Chromate	24w 72r	Hex	Silver
		S309MU	Mechanical Zinc Plate, Chromate	48w 96r	Hex	Yellow
		S309M	Mechanical Zinc Plate, Chromate, Lubricant	48w 96r	Hex	Silver
		S421M	Mechanical Zinc Plate, Chromate, Lubricant	48w 96r	Hex	Black
		S409M	Mechanical Zinc Plate, Chromate, Molykote	48w 96r	Hex	Black
	ESF-M1P67-A		Mechanical Zinc Plate, Chromate	48w 96r	Hex	Sil, Blk , Yel
GM 4250 Co			PS-4935 Immersion Copper	-	Free	Copper
Zinc Alloy Electroplating						
GM 6280 Ni			Zinc/Nickel Plate, Passivate	240r	Hex	Silver, Black
GM 6280 Fe			Zinc/Iron Plate, Chromate	288r	Hex	Black



www.reillyplating.com
 Phone (313) 928-6800 • Fax (313) 386-2270

General Motors	Ford Motor Company	Daimler-Chrysler	General Description		s/s hrs	Passivate	Color
Dakar™ Cathodic Acrylic E-Coat							
		PS-10180	Zinc/Nickel Plate, Passivate, E-Coat		240w 1000r	Trivalent	Black
Dip Spin & Other Coatings							
GMW 4707			Zinc Plate, Passivate, Aluminum Rich Organic Topcoat		480r	Trivalent	Silver
	WSA-M21P40-A1	S440	PS-9295	Zinc Plate, Passivate, Aluminum Rich Organic Topcoat	240w 840w	Trivalent	Silver
	WSS-M21P40-A2	S440M		Mechanical Zinc Plate, Passivate, Organic Topcoat	240w 840r	Trivalent	Silver
			PS-7187	Zinc/Nickel Plate, Passivate, Anodic E-Coat	240w 500r	Trivalent	Black
	WSA-M21P26-A2	S427		Zinc Plate, Chromate, Aluminum Rich Organic Topcoat	1000r	Hex	Silver
	WSA-M21P26-A2	S427M		Mechanical Zinc Plate, Chromate, Organic Topcoat	1000r	Hex	Silver
	WSB-M21P29-A1	S435		Zinc Plate, Chromate, Organic (UltraZinc)	240w 500r	Hex	Black
	ESB-M21P4-A2			Zinc Plate, Chromate, Organic (UltraZinc)	216w 336r	Hex	Black
Miscellaneous							
	WSB-M10P10-A1,A2		PS 1207	Chromate	n/a	Trivalent	Silver, Black



www.reillyplating.com
 Phone (313) 928-6800 • Fax (313) 386-2270

Honda	Toyota	Mazda	Nissan	Mitsubishi	General Description	s/s hrs	Passivate	Color
HES D 2003-05		MES CG 310	NES M4040	MSJ1-7000	Zinc Barrel Electroplating			
MFZn2 B	TSH 6500G-AD	MFZnT2-W	MFZn8B	MFZn8-B	Zinc Plate, Passivate	48w 144r	Trivalent	Silver
MFZn3 C	TSH 6500G-SC	MFZnT3-C	MFZn8C	MFZn8-C	Zinc Plate, Chromate	72w 168r	Hex	Yellow
MFZn2 K	TSH 6500G-AE	MFZnT2-B	MFZn8K		Zinc Plate, Passivate	72w 168r	Trivalent	Black
	TSH 6524G-AC				Zinc Plate, Passivate	72w 168r	Trivalent	Silver
	TSH 6524G-AE				Zinc Plate, Passivate	72w 168r	Trivalent	Black
TSH 6530G		NES M4060		Zinc/Nickel Barrel Electroplating				
	TSH 6530G-AC				Zinc/Nickel Plate, Passivate	300w 1000r	Trivalent	Silver
	TSH 6530G-AE				Zinc/Nickel Plate, Passivate	300w 1000r	Trivalent	Black
	TSH 6530G-BC				Zinc/Nickel Plate, Passivate	300w 650r	Trivalent	Silver
	TSH 6530G-BE				Zinc/Nickel Plate, Passivate	300w 650r	Trivalent	Black
			ZnNi8C		Zinc/Nickel Plate, Chromate	72w 1200r	Hex	Yellow
			ZnNi8K		Zinc/Nickel Plate, Chromate	72w 1200r	Hex	Black
TSH 6528G		NES M4059		Zinc/Iron Barrel Electroplating				
			ZnFe5K		Zinc/Iron Plate, Chromate	72w 720r	Hex	Black
			ZnFe5TK		Zinc/Iron Plate, Passivate	168w 720r	Trivalent	Black
			ZnFe5TC		Zinc/Iron Plate, Passivate	168w 720r	Trivalent	Silver
	TSH 6528G-A				Zinc/Iron Plate, Passivate	240w 750r	Trivalent	Black
	TSH 6528G-B				Zinc/Iron Plate, Passivate	240w 750r	Trivalent	Black



www.reillyplating.com
 Phone (313) 928-6800 • Fax (313) 386-2270

Company	Specification	Barrel Zinc Alloy Electroplating Zinc Iron	s/s hrs	Passivate	Color
Borg Warner	S-1103	Zinc/Iron Plate, Passivate	96w 408r	Trivalent	Silver, Black
Bosch	0 204 Y82 266	Zinc/Iron Plate, Passivate	140w 400r	Trivalent	Silver, Black
DCX	PS-8955 Fe	Zinc/Iron Plate, Passivate	140w 400r	Trivalent	Black
Denso	MFZf2S, G	Zinc/Iron Plate, Passivate	500r	Trivalent	Silver, Black
GM Daewoo	EDS-M-3106 EZnFeP	Zinc/Iron Plate, Passivate	144w 380r	Trivalent	Black
Hyundai-Kia	MS 611-15 PFZnFe8	Zinc/Iron Plate, Passivate	120w 552r	Trivalent	Silver, Black
Toyota	TSH 6528G	Zinc/Iron Plate, Passivate	240w 750r	Trivalent	Black
Colt/Holley	S-880 A2, B2	Zinc/Iron Plate, Chromate	200w 600r	Hex	Black
Ford	WSF-M1P89-A	Zinc/Iron Plate, Chromate	96w 480r	Hex	Yellow, Black
General Motors	GM 6280 Fe	Zinc/Iron Plate, Chromate	240w	Hex	Yellow, Black
Mazda – MES CG 310	MFZn-FT1-B	Zinc/Iron Plate, Chromate	96w 480r	Hex	Black
Mercury Marine	M-221-P Class 2	Zinc/Iron Plate, Chromate	200w 600r	Hex	Black
ZFLM	50-2 GAL ZNFE	Zinc/Iron Plate, Passivate	Various	Trivalent	Silver, Black
Zinc Nickel					
BMW	GS 90010 ZNNID	Zinc/Nickel Plate, Passivate, Topcoat		Trivalent	Silver, Black
Bosch	0 204 Y24 533	Zinc/Nickel Plate, Passivate, Sealer	120w 720r	Trivalent	Silver
Bosch	0 204 Y82 266	Zinc/Nickel Plate, Passivate	140w 1000r	Trivalent	Silver, Black
DCX	PS-8955 Ni	Zinc/Nickel Plate, Passivate	140w 1000r	Trivalent	Black
GM Daewoo	EDS-M-3106 EZnNiP	Zinc/Nickel Plate, Passivate	144w 480r	Trivalent	Silver
Hyundai-Kia	MS 611-15 PFZnNi5	Zinc/Nickel Plate, Passivate, Topcoat	200w 1000r	Trivalent	Silver, Black
Delco	DM-7005	Zinc/Nickel Plate, Chromate	400w 1000r	Hex	Bronze
Ford	WSA-M1P87-A	Zinc/Nickel Plate, Chromate	768r	Hex	Bronze
General Motors	GM 6280 Ni	Zinc/Nickel Plate, Chromate	240w	Hex	Bronze
ITT Teves	ATE N 553 81	Zinc/Nickel Plate, Chromate	240w 840r	Hex	Bronze
ZFLM	50-2 GAL ZNNI	Zinc/Nickel Plate, Passivate	Various	Trivalent	Silver Black



www.reillyplating.com
 Phone (313) 928-6800 • Fax (313) 386-2270

Company	Specification	Barrel Zinc Electroplating	s/s hrs	Passivate	Color
Briggs & Stratton	328K Cycle A-D	Zinc Plate Passivate	48w	Trivalent	Silver, Black
Caterpillar	1E0397B, E, G	Zinc Plate, Passivate	72w	Trivalent	Silver
Case	MS 201	Zinc Plate, Chromate	Various	Hex	Silver, yellow
Deutsche Norm	DIN EN 12329	Zinc Plate, Chromate	Various	Hex	Silver, yellow, black
Euclid Industries	EES 723	Zinc Plate, Chromate	Various	Hex	Silver, yellow
Kenworth	R026-198-19	Zinc Plate, Chromate	Various	Hex	Silver, yellow
Kia-Hyundai	MS 611-04 PFZn8	Zinc Plate, Chromate	72w 152r	Hex	Silver, yellow, black
Harley-Davidson	ES805-43250	Zinc Plate, Passivate	96w 96r	Trivalent	Silver, Black
PBR Automotive	MS1123	Zinc Plate, Passivate	120w 240r	Trivalent	Silver
Whirlpool	WM-3101	Zinc Plate, Chromate	Various	Hex	Silver, yellow
Mechanical Plate					
Caterpillar	1E0397B, E, G	Mechanical Plate, Passivate	72w	Trivalent	Silver



www.reillyplating.com
 Phone (313) 928-6800 • Fax (313) 386-2270

Delphi	Barrel Zinc Electroplating (Hex Chrome Free)	s/s hrs	Color
DX 551207	Zinc Plate, Passivate, Topcoat	96w 240r	Clear
DX 551208	Zinc Plate, Passivate, Topcoat	120w 360r	Clear
DX 551210	Zinc Plate, Passivate	48w 72r	Clear
DX 551211	Zinc Plate, Passivate, Topcoat	120w 240r	Clear
DX 551212	Zinc Plate, Passivate, Topcoat	120w 168r	Clear
DX 551213	Zinc Plate, Passivate, Topcoat	120w 240r	Clear
DX 551217	Zinc Plate, Passivate	120w 168r	Clear
DX 551218	Zinc Plate, Passivate	120w 240r	Clear
DX 551219	Zinc Plate, Passivate	24w 72r	Clear
DX 551220	Zinc Plate, Passivate	48w 96r	Clear
DX 551222	Zinc Plate, Passivate	8w 24r	Clear
DX 551223	Zinc Plate, Passivate	120w 360r	Clear
DX 551224	Zinc Plate, Passivate	72w 144r	Clear
DX 551225	Zinc Plate, Passivate, Topcoat	72w 144r	Clear
DX 551229	Zinc Plate, Passivate	8w 32r	Clear
DX 551231	Zinc Plate, Passivate	96w 144r	Clear
DX 551232	Zinc Plate, Passivate, Topcoat	96w 144r	Clear
DX 551233	Zinc Plate, Passivate, Topcoat	96w 500r	Clear
DX 551235	Zinc Plate, Passivate	96w 168r	Clear
DX 551236	Zinc Plate, Passivate, Topcoat	96w 168r	Clear
DX 551237	Zinc Plate, Passivate, Topcoat	96w 120r	Clear
DX 551238	Zinc Plate, Passivate	8w 32r	Clear
DX 551239	Zinc Plate, Passivate	16r	Clear
DX 551240	Zinc Plate, Passivate, Topcoat	96r	Clear
DX 551244	Zinc Plate, Passivate	48w 72r	Clear
DX 551245	Zinc Plate, Passivate, Topcoat	24w 72r	Clear
DX 551257	Zinc Plate, Passivate, Topcoat	48w 72r	Clear
DX 551259	Zinc Plate, Passivate	240w 480r	Clear
DX 551260	Zinc Plate, Passivate	96w 500r	Clear
DX 551262	Zinc Plate, Passivate, Topcoat	120w 240r	Clear
DX 551264	Zinc Plate, Passivate	72w 120r	Clear
DX 551265	Zinc Plate, Passivate	24w 72r	Clear



www.reillyplating.com
 Phone (313) 928-6800 • Fax (313) 386-2270

Daimler-Chrysler		Barrel Electroplating	s/s hrs	Threaded	Passivate	Color
DBL 8451.11	Zinc Plate, Chromate		96w	N	Hex	Yellow
DBL 8451.12	Zinc Plate, Passivate, w/wo Sealer		48w 120r	N	Trivalent	Silver
DBL 8451.15	Zinc Plate, Passivate, w/wo Sealer		168w 360r	N	Trivalent	Silver
DBL 8451.16	Zinc Plate, Passivate, w/wo Sealer		96w 240r	Y	Trivalent	Silver
DBL 8451.18	Zinc Plate, Passivate, Sealer		168w	N	Trivalent	Silver
DBL 8451.19	Zinc Plate, Passivate, Sealer		240w 480r	N	Trivalent	Black
DBL 8451.21	Zinc Plate, Chromate		72w	Y	Hex	Yellow
DBL 8451.22	Zinc Plate, Passivate, w/wo Sealer		24w 72r	Y	Trivalent	Silver
DBL 8451.25	Zinc Plate, Passivate, w/wo Sealer		72w	Y	Trivalent	Silver
DBL 8451.28	Zinc Plate, Passivate, Sealer		120w	Y	Trivalent	Silver
DBL 8451.29	Zinc Plate, Passivate, Sealer		168w 240r	Y	Trivalent	Black
DBL 8451.62	Zinc Nickel Plate, Passivate		240w 720r	N	Trivalent	Silver
DBL 8451.65	Zinc Nickel Plate, Passivate, Sealer		360w 720r	N	Trivalent	Silver
DBL 8451.66	Zinc Nickel Plate, Passivate, w/wo Sealer		240w 720r	N	Trivalent	Silver
DBL 8451.69	Zinc Nickel Plate, Passivate, w/wo Sealer		480w 720r	N	Trivalent	Black
DBL 8451.72	Zinc Nickel Plate, Passivate		120w 720r	Y	Trivalent	Silver
DBL 8451.76	Zinc Nickel Plate, Passivate, w/wo Sealer		120w 720r	Y	Trivalent	Silver
DBL 8451.79	Zinc Nickel Plate, Passivate		360w 720r	Y	Trivalent	Black
DBL 8451.86	Zinc Iron Plate, Passivate, w/wo Sealer		360w 600r	N	Trivalent	Silver
DBL 8451.96	Zinc Iron Plate, Passivate, w/wo Sealer		120w 480r	Y	Trivalent	Silver
DBL 9441.50	Zinc Nickel Plate, Black Chromate, Cathodic E-Coat		96w 120r	Y	Trivalent	Clear

Inspection and Sorting				
Technology	Size Range		Common Inspection Defects	
Retina Multi-Camera Vision Inspection	Length:	25mm to 75mm	<ul style="list-style-type: none"> Foreign material Head Height Washer Presence Head/Washer Diameter Head/Washer Roundness 	<ul style="list-style-type: none"> Washer Thickness Shank Length Pitch Identification Thread Presence Tip Configuration
	Diameter:	M5 to M12		
	Washer Diameter:	Up to M33		

Other Services	
<ul style="list-style-type: none"> Hand Sort Packaging Labeling Piece Count 	<ul style="list-style-type: none"> Palletizing Warehousing Trucking ASN

Laboratory Testing Services						
Salt Spray	Cyclic Corrosion	Thickness	Torque Tension	Prevailing Torque	Plating Adhesion	Stress Durability
ASTM B117	GM 954P	ASTM E376	Ford WZ100	GM 6175	ASTM B571	ASTM F606
SAE USCAR 1		ASTM B499	Ford WZ101	GM 6194		PS 9500
		ASTM B568	SAE J174	GM 6189		SAE USCAR 10
			SAE USCAR 10	PF 6616		
				PF 5144		
				WA 970		
				ES 20007		
				ES 20010		



Certification No. 0902.01