

	Description	Suggested Vendor	Item Number	Est. List Prices	Notes
1st year - Fall Semester GSM 111 GSM 120 Gunsmithing I					
	Brownells Magna Tip Master Screwdriver Set	Brownells	080-112-081WB	\$129.99	
	1/16 Starting Punch	Brownells	587-465-062WB	\$5.99	
	3/32 Starting Punch	Brownells	587-465-093WB	\$5.99	
	5/32 Starting Punch	Brownells	587-465-156WB	\$5.99	
	5/16 Center Punch	Brownells	587-113-455WB	\$5.99	
	Double Face Hammer	Brownells	818-600-100WB	\$21.99	
	Roll Pin Punch Set	Brownells	354-000-025WB	\$32.99	
	Torx Bit Set	Brownells	080-435-000WB	\$17.99	
	1/2" Threading Tool Kit (Uses HSS or carbide inserts)	Brownells	080-000-839WB	\$84.99	Uses HSS or carbide inserts
	3/8" Turning & Boring Kit (Uses HSS or carbide inserts)	Brownells	080-000-835WB	\$130.00	
	35 Degree Profile Kit (Uses HSS or carbide inserts)	Brownells	080-000-836WB	\$110.00	
	Additional Inserts for the Brownells Tooling listed above	AR Warner Tool Company	https://www.arwarnerco.com/	Varies	
	Wilson Chamfer and Deburr Tool	Brownells	749-002-551WB	\$19.39	
<i>MSC offers discounted pricing for MCC Gunsmithing students. Check with your advisor before making tool purchases.</i>					
	Starrett punch set	MSC	86420635	\$76.73	
	Bondhus Allen Wrenches inch	MSC	05051586	\$26.21	
	Bondhus Allen Wrenches metric	MSC	30574297	\$27.89	
	Needle File Set	MSC	43589274	\$127.37	
	8" Flat Pillar File, Grobet	MSC	60210424	\$34.00	
	6" Mill File, Nicholson	MSC	80755127	\$12.51	
	File Handles, 3 piece set, Nicholson	MSC	48654107	\$7.00	
	6" Traingle File, Nicholson	MSC	80761141	\$8.48	
	8 piece File Set, Nicholson	MSC	60304888	\$148.45	

	Description	Suggested Vendor	Item Number	Est. List Prices	Notes
	6" Round File, Nicholson	MSC	80758113	\$10.87	
	8" Round File, Smooth Cut, Nicholson	MSC	80758238	\$15.80	
	Dykem layout fluid (Blue)	MSC	00264036	\$10.85	Red is also an option
	6" Dial calipers	MSC	84477736	\$125.00	Mitutoyo listed, can be substituted.
	0-1" Outside Micrometer 0.0001" Graduations	MSC	06230197	\$145.00	Mitutoyo listed, can be substituted.
	0-3" Starrett Depth Micrometer	MSC	86418340	\$349.00	Starrett 449AZ-3R
	1" Range 0.001" Dial Indicator SPI	MSC	38000154	\$55.53	SPI (2 Suggested)
	Parallel Set, 1/8" Thick 1/2 to 1-5/8 height, 6" long	MSC	06820898	\$108.00	Value Collection
	Single End Edge Finder	MSC	03293420	\$12.30	SPI Listed
	Thread Pitch Gauge Inch 4 to 48 TPI Range	MSC	06489512	\$25.41	
	Thread Pitch Gauge Metric, .25 to 2.5mm Range	MSC	01221019	\$17.93	
	6" 4R Steel Rule, 1/64, 1/32, 1/16, 1/8	MSC	78988771	\$6.22	SPI Listed
	4 Piece Combination Square Set 12" 4R Graduations,	MSC	09904905	\$127.77	Value Collection
	Hertel 115 Piece Index Drill Bit Set, 1/16 - 1/2 by 64ths, A-Z, 1-60	MSC	73285355	\$361.01	
	KEO 5 Piece Center Drill Set	MSC	1031558	\$65.92	
	(3) 3/8" HSS Tool Bits (Blanks To Grind)	MSC	2603249	\$6.69	You will need 3
	(3) 1/2" HSS Tool Bits (Blanks To Grind)	MSC	02603322	\$13.07	You will need 3
	End mill 20 Piece Set	MSC	92000439	\$250.74	Interstate Brand
	Lathe center gauge 60 degree	MSC	81885840	\$8.61	SPI Listed
	Feeler Gauge Set, 26 Piece .00015"-.02500" thickness	MSC	6588305	\$12.36	Value Collection
	2 Piece Noga Deburring Tool, S10 Blades	MSC	67294512	\$5.00	
	X-acto knife	MSC	6530901	\$3.80	

	Description	Suggested Vendor	Item Number	Est. List Prices	Notes
	Knife blades	MSC	6531040	\$2.33	
	Welding Gloves	MSC	6528160	\$16.16	Cowhide, Cotton Lined Welding Gloves
	5 piece Plier set	MSC	56339609	\$64.69	Crescent
	Stainless Steel Brush, 1-1/2x1/2 inch	MSC	09301714	\$2.13	pack of 4
	Mitutoyo 513-403 .0001" Test Indicator	MSC	62496849	\$150.00	1 needed, 2 suggested
	Noga Indicator Base, 60mmx50mm	MSC	74100975	\$166.79	2 needed
	12" Hacksaw Frame	MSC	87656062	\$11.58	Stanley Brand
	Bi Metal Hacksaw Blades 32 tpi	MSC	47745229	\$2.12	Lenox Brand you will need several
	Ballpeen hammer – 16oz	MSC	40973562	\$19.58	
	Safety glasses	MSC or Hardware stores	74169681	\$5.00	
	Metal scribe – carbide tipped	MSC or Hardware stores	6945596	\$5.82	Moody Tools Brand, can be substituted
	10" Adjustable Wrench, 1-5/16 Opening	MSC or Hardware stores	79322038	\$19.91	
	Set of pad locks for lockers	MSC or Hardware stores	67845909	\$10.68	You will need 2 locks
	(2) Bearings, 12mm Bore, 32mm OD	MSC	35434364	\$10.62	You will need 2 bearings
	Tap Handle	MSC or Hardware stores	06990139	\$43.64	This is a 2 piece set
	Tap Guide	MSC	91709410	\$19.34	#0 to 1" Tape Guide
	Dremel Tool Kit	MSC or Hardware stores	81160418	\$100.72	
	Dial Drop Indicator, 0.001" Graduations	MSC	76422369	\$105.27	SPI Listed
	1st year - Fall Semester GSM 111 Gunsmithing I				
	GSm 111 Lab Fee for Shop Materials	MCC		\$50.00	
	Machining Textbook	MCC E-Campus		\$100.00	
	1st year - Fall Semester GSM 120 Gunsmithing Tools				
	GSM 120 Lab Fee for materials	MCC		\$100.00	
	Note: The tools purchased from the Initial Basic Tool List will be used in this class.				

Description	Suggested Vendor	Item Number	Est. List Prices	Notes
1st year – Spring Semester GSM 125 Barrel Fitting/Alteration				
Accupro LH Boring Bar	MSC	76419126	\$27.31	2 needed
Accupro RH Boring Bar	MSC	05252895	\$27.31	2 needed
Hertel Inserts for .300" Boring Bor	MSC	74160870	\$23.19	5 needed
Hertel .300" Boring Bar	MSC	82553603	\$184.22	1 needed
1-2" Mitutoyo Outside Micrometer	MSC	06231674	\$125.79	(Suggested but not required)
Rifle barrels for projects – 3 Required				
(3) Rifle Barrel Blanks (Note:Do not order on your own. Your Rifle Building Instructor Will Advise)	Shilen, Bartlien, Brux, Krieger, Lilja, Hart, Douglas barrels		\$175.00-400.00	See list for information
Bolt Action Rifle Actions - 3 Required				
(1) Weatherby Vanguard Action	Weatherby thru MCC	Varies	\$300.00	
(1) Remington 700 action (NOTE: The student must use one 700 action.)		Varies	\$375.00 and up	
(1) CZ 550, CZ 527, Winchester 70, Mauser 98, Howa, Tikka NOTE: You are advised to speak with your rifle building instructor prior to purchasing any action. The MCC Gunsmithing Club does group purchases at a reduced cost.	CZ, USA thru MCC	Varies	\$250.00-600.00	
(2) 6-48 Taper Taps	Brownells or MSC	395-648-101WB	\$11.99	Reiff & Nestor or Interstate
(2) 8-40 Taper Taps	Brownells or MSC	395-840-101WB	\$12.99	Reiff & Nestor or Interstate
(2) 6-48 Bottom Taps	Brownells/MS	748-002-648WB	\$19.99	Reiff & Nestor or Interstate
(2) 8-40 Bottom Taps	Brownells/MS	748-002-840WB	\$19.99	Reiff & Nestor or Interstate
Rifle Muzzle Brakes (Ask your rifle building instructor)	Brownells	https://www.brownells.com/search/index		Caliber Specific

	Description	Suggested Vendor	Item Number	Est. List Prices	Notes
	Talley Scope Base and Scope Rings for each action (Ask instructor)	Talley Manufacturing	https://www.talleymanufacturing.com/	\$45.00	Rifle Model Specific
	Badger M-16 Style Extractor (If modifying your Rem 700 Bolt) Ask your rifle building instructor	Badger Ordnance or LRI	100-012-491WB	\$43.99	Caliber Specific
	GTR Range Rod for Barrel Indicating (Ask rifle building instructor)	Gre-Tan	Varies	\$36.00	Bore Specific
	Gage Pins for Barrel Indicating (Ask rifle building instructor)	MSC	Varies		Bore Specific
	Caliber Specific Cotton Flannel Patches	Brownells, Midway	Varies		Min. 500 Per Caliber
	Vipers Venom Barrel Chambering Oil	Brownells, Grizzly Ind.	T10615	\$22.00	Min. 1 quart
	Remington 700 Recoil Lug	Pure Precision	https://pure-precision.com/shop-all/recoil-	\$30.00	Ask your rifle building instructor before ordering.
	Remington 700 Trigger	Triggertech	https://triggertech.com/collections/bolt-	\$159.00	Ask your rifle building instructor before ordering.
	Mineral Spirits	Hardware Store			1 Gallon
1st year – Spring Semester GSM 127 General Repair					
	Gun Digest Centerfire Rifles Assembly and disassembly	Amazon	ISBN-10: 194626704X	\$35.00	
	Gun Digest Book of Automatic Pistols Assembly/Disassembly	Amazon	ISBN-10: 1946267317	\$35.00	
	Gun Digest Book of Shotguns Assembly/Disassembly	Amazon	ISBN-10: 1440247714	\$30.00	
	Gun Digest Book Of Rimfire Rifles Assembly/Disassembly	Amazon	ISBN-10: 1440245843	\$30.00	

	Description	Suggested Vendor	Item Number	Est. List Prices	Notes
	Gun Digest Book of Revolvers Assembly/Disassembly	Amazon	ISBN-10: 194626749X	\$30.00	
	Ampro Cleaning Kit	Brownells	945-000-021WB	\$49.99	
	Shooters Choice Grease	Brownells	934-010-010WB	\$7.99	
	Rig Grease 3oz	Brownells	167-400-274WB	\$8.99	
	Hand Rub Gun Saver Finish	Brownells	209-642-009WB	\$17.99	
	60 degree sight file	Brownells	080-648-060WB	\$45.00	
	Oxpho Blue Cold Blue Cream	Brownells	082-124-004WB	\$9.99	
	Black Iron Wire	Brownells	038-018-003WB	\$5.99	
	Optivisor	Brownells	255-000-000WB	\$54.99	
	12" Rifle Dovetail Slot Blank	Brownells	080-770-375WB	\$15.75	1 12" piece needed
	Plastic Handle Try Pack	Brownells	016-100-000WB	\$16.99	
	Brownells, Magna Tip Thin-bit set	Brownells	080-120-000WB	\$49.99	
	1 lb. each – rifle, pistol & shotgun powder	Store		\$35.00	Depends on cartridge
	100 each –Rifle, pistol & shotgun primers	Reloading supplies		\$7.50	Depends on cartridge
	Stanley 6 Piece Screw Driver Set	MSC	94460789	\$23.77	
	10" screw driver	MSC	62830252		
	Irwin 0-1/2" Tap Handle 9 1/4" Length	MSC	93285047	\$17.47	
	Sanding Stick Standard and Finish Kits	Amazon	Amazon	\$27.94	80-500 Grit
	Boride All Purpose Gunsmithing Stone Kit	Boride Abrasives	GS Kit	\$83.00	
	100 each – Unprimed rifle & pistol brass & shotgun hulls	Reloading supplies		\$25.00 and up	Depends on cartridge
	100 each – Rifle & pistol bullets	Reloading supplies		\$25.00	Depends on cartridge
	100 – Shotgun wads	Reloading supplies		\$15.00	Depends on cartridge load
	25 lbs. of shotgun shot	Reloading supplies		\$35.00	Depends on cartridge load

	Description	Suggested Vendor	Item Number	Est. List Prices	Notes
	Spring stock	McMaster Carr	9074k193	\$33.00	
Additional Local Purchase Items: 1 gallon Zip Lock Bags, Pipe Cleaners, Q-Tips, 3M Sanding Block, 1 Quart Denatured Alcohol, 0000 Steel Wool, Chemical Proof Sprayer Bottle, 1 Gallon Acetone					
1st year – Summer Session GSM 235 Current GSM Techniques					
	Brownells screw driver tips for recoil pads	Brownells	080-136-000WB	\$3.99	
	1/2 " Gunline barrel bedding tool	Brownells	364-700-500AN	\$47.99	
	5/8" Gunline barrel bedding tool	Brownells	364-700-625AN	\$47.99	
	3/4' Gunline barrel bedding tool	Brownells	364-700-750AN	\$47.99	
	14mm Straight chisel	Brownells	541-000-007WB	\$52.99	
	4mm Straight chisel	Brownells	541-000-005WB	\$38.99	
	Rig Grease in can, 12 oz.	Brownells	167-400-458WB	\$13.59	Check with Instructor, this may be a duplicate
	(1) Jerrow's Inletting Gold	4D Reamer Rentals or	https://4drentals.com/p	\$14.95	
	(1) Jerrow's Inletting Black	4D Reamer Rentals or	https://4drentals.com/p	\$14.85	
	(1) Custom Oil – spray finish in satin or	Brownells	209-101-014WB	\$14.00	Choose one: 209-101-014 Satin or 209-100-014 Gloss
	Custom Oil Finish - Gloss	Brownells	209-100-014		Not shown as available
	(1) Custom oil – liquid form	Brownells	209-000-002	\$12.00	
	(1) 3M rubber hand sanding block	Lowes		\$10.00	
	5 sheets each – 3M Sandblaster or Klingspore wood sand paper	Lowes	9"x 11"size, 180, 220, 320, 400, 600 grits	\$7.00 pack	Lowes or the Woodworking Shop
	5 sheets each – 3M or equivalent, Silicon Carbide wet/dry sand paper	Lowes	9"x 11" size, 180,240, 320, 400, 600 grit	\$9.00 pack	Lowes or the Woodworking Shop
	Rifle Length Hard Case		Varies	\$25.00	
	Dust Respirator (If needed)			\$25.00	
	Modeling clay or Play-doh for bedding			\$5.00	

	Description	Suggested Vendor	Item Number	Est. List Prices	Notes
	Sling swivel studs – 2 sets	Brownells	593-131-100WB	\$11.00	
	(3) Recoil pads	Pachmyer or Kick eez		\$30.00	Determined by stock dimensions
	Semi inlitted Wood or Laminate Rifle Stock	Watts Walnut,	Depends on Rifle Model	\$150.00 & up	
	Composite Rifle Stock Drop In Style	McMillan, Manners, HS Precision, Bell & Carlson	Depends on Rifle Model	\$200.00 & up	
	Composite Rifle Stock Semi Inlet	Legendary Arms Works	Depends on Rifle Model	\$220.00	
	Devcon Steel Bed 1lb	MSC	00260059	\$82.41	
	Pro Bed 2000	Score High Gunsmithing	https://www.probed2000.com/pro-bed-2000-stock-bedding-epoxy/	\$42.00-62.00	Optional in place of the Devcon Steel Bed
	Acra Release agent (Kiwi Shoe Polish or floor wax is acceptable)	Varies / Brownells		\$32.99	
	Grovtech Flush Cup for QC Swivels (Only if needed, ask instructor)	Brownells	100-005-661WB	\$19.99	
	Air Dry Duracoat (if desired)	Brownells	Varies	\$19.99	Depends on color
	Starrett 135A Level	MSC	58695891	\$36.15	
	Starrett 134A Cross Test Level	MSC	86405719	\$63.41	
	Palm handle carving set	Brownells	100-004-975AN	\$32.99	
	Straight handle carving set	Brownells	100-004-976AN	\$39.99	
	49 Cabinet rasp	Brownells	191-188-460AN	\$49.99	
	50 Cabinet rasp	Brownells	191-188-610AN	\$69.99	
	Large Jerry Fisher Scraper	Brownells	310-150-002AN	\$14.01	
	Small Jerry Fisher Scraper	Brownells	310-150-001AN	\$14.01	
	Octagon Jerry Fisher Scraper	Brownells	310-150-003AN	\$14.01	
	8mm curved gouge	Brownells	541-000-001AN	\$50.99	
	Gouge slip stone	Brownells	657-071-076AN	\$34.99	
	8 oz Rawhide mallet	Brownells	100-003-751AN	\$32.99	

	Description	Suggested Vendor	Item Number	Est. List Prices	Notes
	12 oz Rawhide mallet	Brownells	100-003-752AN	\$33.99	
	L4 Plastic file handle	Brownells	016-406-002AN	\$12.99	
	Adjustable file handle	Brownells	345-890-000AN	\$7.99	
	Respirator Half Mask P95 Series 3M	MSC, Auto Parts Store	04489894	\$45.31	04489894 Large 04489886
	Paint Gun for Cerakote and Polane T	Harbor Freight	https://www.harborfreight.com/hvlp-detail-spray-gun-46719.html		Harbor Freight
	Ammunition for Test Firing and Grouping 40 rounds per each caliber	Federal, Winchester, Remington, etc.	Varies	\$20.00-80.00 per box	Brownells, Ammo Seek, Walmart, Local shops
	8-40 Scope base screws x 8	Brownells or Talley		\$20.00	Brownells or Talley
	Rifle scope. Minimum of 1 scope which can be used for all three rifles. Average quality 3x9 power, 50mm objective lens	Athlon, Vortex, Leupold, Burris, etc.	https://athlonoptics.com	\$200.00 and up	Can Purchase online or locally Brownells, MidwayUSA
	Action guide screws for each barreled action 3 sets of two, various thread	Students can make their own in GSM 120	https://www.brownells.com	\$6.99 per pair	GSM 120 or Brownells
	Carpenters line chalk 4oz	Lowes or Local Hardware Store		\$5.00	
	Ratcheting Squeeze clamps	Harbor Freight	https://www.harborfreight.com/12-in-ratcheting-bar-	\$4.49	
2nd year – Fall Semester GSM 231 Handgun Repair Technology					
<i>NOTE: Please consult with instructor prior to purchasing any 1911 parts, as not all parts will be suitable for class use.</i>					
	6" Swiss Pattern Barrette file	Brownells	191-350-730WB	\$36.00	
	8" American pattern 2 cut file	Brownells	191-058-860WB	\$14.00	
	S & W hand window file	Brownells	080-754-000WB	\$32.00	

Description	Suggested Vendor	Item Number	Est. List Prices	Notes
S&W Double Action Sear	Brownells/Numrich		\$12.00	
Magnetic Pin Starter	Brownells	080-242-057WB	\$15.00	
JCL magnetic vise jaws	Amazon	https://www.amazon.co	\$15.00	
Hemostat or tweezers	Store/online purchase		varies	
Needle Nose Pliers	Store/online purchase		varies	
Parallel Jaw pliers	Brownells	348-181-105WB	\$43.99	
S&W L, L or N frame revolver	Store/online purchases		\$300.00	\$300.00 and Up
1911 Barrel Bushing Wrench	Brownells	080-045-045WB	\$7.00	
Glock front sight removal tool	Brownells	100-700-117WB	\$41.00	
Dremel Cratex Wheels and Mandrels	Brownells	190-025-083WB	\$22.99	
EZ Lap Diamond	MSC	5125224	\$18.69	
EDM Stone	MSC	5094321	\$4.00	
Cup Tip Punch 6	Brownells	080-620-006WB	\$18.00	
Cup Tip Punch 3	Brownells	080-620-003WB	\$18.00	
Wolff 14lb Rebound Spring for S & W Revolver	Wolff	16663	\$3.49	
S & W Rebound Spring Removal Tool	Brownells	080-666-000WB	\$19.99	
Boride General Gunsmithing Stone set	Boride Abrasives	028951	\$87.99	
OPTIONAL:				
Replacement Match Barrel for S&W Rev.	Brownells		Varies	
Grobet Swiss 1 Cut Hand File	MSC	60205317	\$29.28	
Kuhnhausen S & W Manual – optional	Amazon	https://www.amazon.co	\$35.00	
Kuhnhausen Ruger Manual – optional	Amazon	https://www.amazon.co	\$44.00	
2nd year – Fall Semester GSM 227 Advanced Repair				
Item	Suggested Vendor	Product	Est. List Prices	Notes
The individual student is responsible for supplying all needed firearms for the Advanced Repair class.				
Note: Tools that were purchased/required from previous semesters will be used in this class.				

Description	Suggested Vendor	Item Number	Est. List Prices	Notes
2nd year – Spring Semester GSM 232 Custom Handgun Technology				
<i>NOTE: Please consult with instructor prior to purchasing any 1911 parts, as not all parts will be suitable for class use.</i>				
Night Hawk, Caspian, STI, or similar 1911 Slide/Frame Kit and Associated Parts	Store/online purchases		\$625.00- \$1200.00	
<i>(This may be available as a group purchase through the MCC Gunsmithing Club)</i>				
OR				
Suitable 1911 handgun or Parts kit gun for custom 1911 build (Consult instructor before making these purchases)				
1911 Barrel Bushing Wrench	Brownells	080-045-045WB	\$7.00	
5mm Carbide Endmill	MSC	1216621	\$17.00	
3/16" Carbide Endmill	MSC	1982321	\$16.63	
3/8" Carbide Endmill	MSC	88250030	\$23.81	
1/4" Carbide Endmill	MSC	88250188	\$14.93	
Various carbide ball or other end mills as necessary for slide serrations etc.	MSC		Varies	
65 degree sight file	Brownells	080-648-265WB	\$28.00	
Front sight and/or base for revolver installation	Store/online/Brownells		varies	
OPTIONAL:				
1911 Barrel Locking Lug File	Kart Barrels		\$24.00	
Slide/Frame Rail File	Brownells	080-753-000WB	\$65.00	
Replacement Match Barrel for S&W Barrel	Brownells etc.		Varies	
Can Seam Micrometer (consult instructor before ordering)	MSC	06235774	\$228.00	
Carbide dovetail cutters	Brownells	https://www.brownells.com/	\$60-\$95	
Gauge block set	MSC	06450720	\$300.00	SPI Economy Set

	Description	Suggested Vendor	Item Number	Est. List Prices	Notes
	Glock Handgun for customization			Varies	
	Ruger revolver for customization				
	Various other suitable handguns for customization (Consult instructor regarding project suitability)				
2nd Year Summer Semester GSM 240 Modern Sporting Firearms					
<i>NOTE: Please consult with instructor prior to purchasing any AR-15/AR-10 parts.</i>					
<i>NOTE: There are a wide range of bill out projects suitable for this class. Consult your instructor for proper guidance before</i>					
	Cut Rifled Barrel Blank	Brux, Bartlein, Krieger, Etc.	Varies	\$350-400	
	AR-15/AR-10 Barrel Extension		Varies	\$25.00-65.00	
	Gas Block		Varies	\$25.00	
	Gas Tube		Varies	\$15.00	
	Muzzle Device		Varies	\$35.00	
	Upper Receiver		Varies	\$75.00-150.00	
	Handguard		Varies	\$100.00-	
	Bolt Carrier Group		Varies	\$89.00-200.00	
	Charging Handle		Varies	\$20.00	
	Ruger 10/22 Rifle		Varies		
	Improved 10/22 Extractor	Brownells, MidwayUSA	Varies	\$15.00	
	Spray Finish for (1)AR-15 rifle and (1)Semi-Auto Pistol	Cerakote, Norrell's, Duracoat, Etc.	Varies		
	AK Reciever		Varies		Optional
	AK Parts Kit		Varies		Optional
	.22LR Ammunition for Test Fire and Accuracy Grouping	SK, Eley, Lapua, CCI Standard	Varies	\$5.00-15.00	

	Description	Suggested Vendor	Item Number	Est. List Prices	Notes
	Centerfire Ammunition for Test Fire and Accuracy Grouping		Varies		



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