

2013



Manual Transmission Fluid Application Guide

Understanding Today's Transmission Fluids

With so many automatic Transmission fluids, it's hard to choose the one best-suited for each vehicle. As the trusted leader in Transmission and drive line fluid applications, Valvoline has the most complete line up of branded solutions. Contact **1-800 TEAM VAL** with any questions or comments.



General Motors & Chrysler:

Valvoline Synchromesh Manual Transmission Fluid

- High performance manual Transmission lubricant designed to meet the extreme demands of passenger car manual Transmission gearbox applications
- Enhanced performance in both low and high temperature operating conditions
- Excellent wear protection under high loads and extreme pressure
- Resistance to oxidation and remains stable under extreme pressures
- Exceptional anti-foam performance for added protection
- Recommended for General Motors and Chrysler vehicles including GM part numbers 12345349, 12377916 and 12345577 as well as Chrysler part number 4874464

Part# 811095



SynPower 75W-90 Gear Oil:

Valvoline SynPower Full Synthetic Gear Oil

- Formulated for ultimate protection and performance. A thermally stable, extreme-pressure gear lubricant, it is designed to operate and protect in both high and low extreme temperature conditions.
- Specially recommended for limited-slip hypoid differentials and is compatible with conventional gear lubricants.
- Contains special additives to assist in protecting gear teeth from rust and corrosion and reduce chattering in limited-slip differentials
- Provides outstanding thermal stability for cleanliness and longer service life
- Recommended for (conventional and limited slip) manual Transmissions where an API GL-5 or MT-1 fluid is specified

Part# 723856 or VV975



Domestic & Import Multi-Vehicle:

Valvoline MaxLife ATF (Full Synthetic)

- Recommended for all vehicles manufactured by General Motors & Ford (except those with CVTs, or those calling for Type F ATF) including Mercon LV
- Recommended for many imports, including Toyota, Lexus, Honda, Acura, Nissan, Mazda, Mitsubishi, Hyundai, BMW, Volkswagen and Audi
- Outperforms conventional Transmission fluids

Part# VV324



General Motors & Ford:

Valvoline DEX/MERC

- Recommended for vehicles manufactured by General Motors & Ford, 2005 and earlier
- Recommended for many imports, 2005 and earlier, including select Toyota and Mazda
- Recommended for use where DEXRON®-III/MERCON® Transmission fluid is required

Part# VV353



Ford:

Valvoline ATF Recommended for MERCON® V Applications

- Recommended for most Ford vehicles
- Required for 1996 and newer Ford vehicles and backwards compatible with MERCON® applications

Part# VV360



General Motors:

Valvoline DEXRON®-VI (Full Synthetic)

- General Motors licensed and approved
- Required for all 2006 and newer GM vehicles and backwards compatible with older GM vehicles
- Provides twice the durability and stability versus the DEXRON®-III specification

Part# VV370



Chrysler:

Valvoline ATF+4® (Full Synthetic)

- Chrysler licensed and approved
- Supercedes all previous Chrysler specifications including ATF+3®, ATF+2® and Type 7176®
- Required for all Chrysler vehicles

Part# VV346

NOTE: Check your owners manual to confirm fluid specification recommended.

MAKE	MODEL / YEAR	Symbol	Fluid Specification	Valvoline Product	
Audi	all vehicles except as noted	GL-4	Synthetic 75W-90: G005 000, G052 911, G052 911 A, G052 911 A2, G052 171 A2	Synchromesh MTF	
	2010-12: A4 Quattro, S4, A5, A5 Quattro, A6 Quattro, S5 2010-2011: S6 2012: A7 Quattro	0B2	GLS	G 055 532 A2	Available from dealer
BMW	all vehicles except DCT and as noted below	GLS		Synchromesh MTF	
	Manual Transmission with yellow label	GLS	Esso/exxon MTF-LT-1, BMW P/N 83 22 9 408 942.	Synchromesh MTF	
	Manual Transmission on all 2006-11 vehicles equipped with a N52 engine: 5-series (E60) from 3/2005 production Z4 Roadster (E85) from 9/2005 production Z4 Coupe (E86) from 1/2006 production 3-series (E90/91) from 3/2005 production 3-series (E92/93) from 7/2006 production X3-series (E83) from 9/2006 production 1-Series coupe (E82) from 3/2008 production 1-Series Convertible (E88) from 3/2008 production	GLS	MTF-LT-3 longterm fluid, BMW P/N 83 22 9 408 942.	Synchromesh MTF	
	2006-11 M5 (E60) 2006-11 M6 (E63/E64)	Manual Transmission with and without SMF	GLS	MTF-LT-2, BMW P/N 83 22 0 309 031.	Synchromesh MTF
	2006-08 Z4 M Coupe (E86) 2006-08 Z4 M Roadster (E85)		GLS	MTF-LT-2, BMW P/N 83 22 0 309 031.	Synchromesh MTF
	1997-99: 528i, 540i	1997 Orange Label	AF3	DEXRON® -III Automatic Transmission Fluid	Synchromesh MTF, MaxLife ATF
		1998-99 Yellow Label	GLS		Synchromesh MTF
	1995-2000: 3 Series, M Coupe, M Roadster, M3, Z3	1995-97 Orange Label	AF3	DEXRON® -III Automatic Transmission Fluid	Synchromesh MTF, MaxLife ATF
		1998-2000 Yellow Label: ex sequential M gear box	GLS		Synchromesh MTF
		1998-2000 Yellow Label: sequential M gear box	N/A	Contact BMW for fluid type	Available from dealer
	1995: 525i, 530i, 530iT, 540i 1995-99: 8 Series; 1995 Orange Label		AF3	DEXRON® -III Automatic Transmission Fluid	Synchromesh MTF, MaxLife ATF
	2000-11 5 Series, M5	all except SMG	GLS		Synchromesh MTF
		SMG	N/A	Contact BMW for fluid type	Available from dealer
	2001-11: 3 Series, M Coupe, M Roadster, M3, Z3	all except sequential M gear box	GLS		Synchromesh MTF
sequential M gear box		N/A	Contact BMW for fluid type	Available from dealer	
Chrysler, Dodge, Plymouth	all vehicles except as noted	AP4	ATF+4® Automatic Transmission Fluid Mopar ATF+4® (MS-9602) PN 05013457AA (quart) and 05013458AA(gallon) note: 2004-05 add 4 oz Mopar Limited Slip Additive PN 04318060AB	Synchromesh MTF, ATF +4	
	1995 Dodge Spirit	SJ, SL, API*	Motor oil: API service SN, API service SL, Motor oil certified by the America Petroleum Institute (Starburst Symbol)	Synchromesh MTF, Premium Conventional, MaxLife, SynPower Motor Oil	
	1995-2000 Chrysler Cirrus 2001-2002 Chrysler PT Cruiser 1996-2001 Chrysler Sebring 1996 Chrysler Sebring Convertible 2001 Chrysler Sebring Sedan with NVT350 (A578) 1995-2000 Chrysler Sebring Coupe 2 Door 1995-1999 Dodge Avenger 1995-2001 Dodge Neon 1995-2001 Plymouth Neon 1996-2000 Plymouth Breeze 1995-2000 Dodge Stratus 2001 Dodge Stratus Sedan 4 door with NVT350 (A578)	GLS	Mopar PN 04874465 meeting MS-9417	Synchromesh MTF, SynPower 5W-30 Motor Oil	
	Dodge Trucks: NV1500, -3500, -3550, 5600, T4, T5, T176 manual Transmissions	GLS	Mopar PN 04874464 meeting MS-9224	Synchromesh MTF	
	2004-06 Crossfire 6-speed manual Transmission	GLS	Mopar PN 04761872AB or approved products as listed on MB 236.2	Synchromesh MTF	
	Chrysler Trucks	all vehicles except as noted	GLS	GM PN 12345349	Synchromesh MTF
		NV 3500 manual Transmission		use GM PN 12345577	Synchromesh MTF
4-speed manual Transmission with iron case		use 1874 MTX FLuid 12550 PN ET-M81		Synchromesh MTF	
5-speed Tremec (TZ0) transmission		GM PN 12345349 or 1052931		Synchromesh MTF	
5-speed sectional case		use GM PN 1052931		Synchromesh MTF, Premium Conventional 5W-30, MaxLife 5W-30, SynPower 5W-30 Motor Oil	
4-speed manual Transmission w/ aluminum case					

MAKE	MODEL / YEAR	Symbol	Fluid Specification	Valvoline Product	
Chrysler Trucks	all vehicles except as noted	NV 1500 manual Transmission	GLS	GM PN 12377916	Top Off Only
		5-speed Tremec (MQ7) Transmission			Available from dealer
	1995-97 Dodge Ram 1500, 2500, 3500 with Gasoline Engines	NV 3500 Manual Transmission	GLS	Mopar PN 04874464	Synchromesh MTF
		NV 4500 Manual Transmission	GL-4	Synthetic 75W-85 PN 12346190 or equivalent	Synchromesh MTF
	1995-97 Dodge Dakota	AX-15 Manual Transmission	GL-3	Mopar PN 04897622AA	Synchromesh MTF
		NV 3500 Manual Transmission	GLS	Mopar PN 04874464	Synchromesh MTF
	1998-2002 Dodge Ram 1500, 2500, 3500 with Gasoline Engines 2003-07 Dodge Ram 1500, 2500, 3500 with Gasoline Engines	NV 3500 Manual Transmission	GLS	Mopar PN 04874464	Synchromesh MTF
		NV 5600 Manual Transmission 6-speed			
		NV 4500 Manual Transmission	GL-4	Synthetic 75W-85 PN 12346190 or equivalent	Synchromesh MTF
	1995-2007 Dodge Ram 2500, 3500 2WD with Diesel Engines 2003-07 Dodge Ram 2500, 3500 4WD with Diesel Engines	G56 Manual Transmission	AP4	ATF+4® Automatic Transmission Fluid Mopar ATF+4® (MS-9602) PN 05013457AA(quart) and 05013458AA(gallon)	Synchromesh MTF, ATF +4
		NV 5600 Manual Transmission 6-speed	GLS	Mopar PN 04874464	Synchromesh MTF
		NV 4500 Manual Transmission	GL-4	Synthetic 75W-85 PN 12346190 or equivalent	Synchromesh MTF
	2003-07 Dodge Ram 1500, 2500, 3500 with Gasoline Engines	NV 1500, NV 1500HD Manual Transmission	GLS		Synchromesh MTF
		G56 Manual Transmission	AP4	ATF+4® Automatic Transmission Fluid Mopar ATF+4® (MS-9602) PN 05013457AA(quart) and 05013458AA(gallon)	Synchromesh MTF, ATF +4
		Getrag 238 Manual Transmission 6-speed			
		Tremec T56 Manual Transmission 6-speed	GL-4	Mopar PN 04874459	Synchromesh MTF
	2007-09 Chrysler Aspen 1998-2011 Dodge Dakota 1998-2009 Dodge Durango 2006-09 Mitsubishi Raider	NV 1500, NV 3500, 1998-2004 Manual Transmission	GLS	Mopar PN 4874464. 2001-03 NV1500: add 0.2 pt (0.1L) friction modifier when refilling Transmission	Synchromesh MTF
		AX-15 Manual Transmission 5-speed 1998-99	GL-3	SAE 75W-90 PN 89021806 or equivalent	
		Getrag 238 Manual Transmission 6-speed	AP4	ATF+4® Automatic Transmission Fluid Mopar ATF+4® (MS-9602) PN 05013457AA(quart) and 05013458AA(gallon)	Synchromesh MTF, ATF +4
1995-2002 Dodge Ram 2500, 3500 4WD with Diesel Engines	NV 4500 Manual Transmission	GL-4	Synthetic 75W-85 PN 12346190 or equivalent	Synchromesh MTF	
	NV 5600 Manual Transmission 6-speed	GLS		Synchromesh MTF	
2008-10 Dodge Ram 1500, 2500, 3500 Pickups	G56 Manual Transmission	AP4	ATF+4® Automatic Transmission Fluid Mopar ATF+4® (MS-9602) PN 05013457AA(quart) and 05013458AA(gallon)	Synchromesh MTF, ATF +4	
	Getrag 238 Manual Transmission 6-speed				
2011-12 Ram 1500, 2500, 3500	G56 Manual Transmission	AP4	ATF+4® Automatic Transmission Fluid Mopar ATF+4® (MS-9602) PN 05013457AA(quart) and 05013458AA(gallon)	Synchromesh MTF, ATF +4	
Daewoo	1999-2002 Daewoo Leganza 1999-2002 Daewoo Nubira	GL-4	75W, 80W	Synchromesh MTF	
Fiat	2012 Fiat 500	SLF	Castrol BOT 350 M3 PN 68092630AA	Available from dealer	
Ford, Lincoln, Mercury	all vehicles except as noted	MA	MERCON® Automatic Transmission Fluid (obsolete). Now serviced by MERCON-V Automatic Transmission Fluid	Synchromesh MTF, Dex/Merc ATF, MaxLife ATF, Mercon V ATF	
	1995-2000 Ford Contour 1999-2002 Mercury Cougar 1995-2000 Mercury Mystique	SLF	Mopar PN XT-M5-QS, Spec WSS-M2C200-C	Available from dealer	
	1996-2004 Ford Mustang	AF3	DEXRON® -III Automatic Transmission Fluid	Synchromesh MTF, Dex/Merc ATF, MaxLife ATF, Mercon V ATF	
	2005-12 Ford Mustang	T5, T50D Manual Transmission 5-speed 4.0L	MA5	MERCON® -V Automatic Transmission Fluid PN QT-5-QM	Synchromesh MTF, Mercon V ATF, MaxLife ATF
		TR3650 Manual Transmission 5-speed			
TR6060 Manual Transmission 6-speed					
MT82 Getrag Manual Transmission 6-speed	SLF	PN XT-M5-QS, Spec WSS-M2C200-C	Available from dealer		

MAKE	MODEL / YEAR	Symbol	Fluid Specification	Valvoline Product	
Ford, Lincoln, Mercury	2005-07 Ford Five Hundred, Freestyle 2005-07 Mercury Montego All Wheel Drive	GL-5	SAE 75W-90 PN XY-75W90-PTU	SynPower 75W-90 Gear Oil	
	2004-12 Ford Focus 2006-09 Ford Fusion 2006-09 Mercury Milan	2004 Focus iB5 Manual Transaxle 5-speed	SLF	Motorcraft PN XT-M5-QS	Synchronesh MTF
		2004-12 Focus MTX75 Manual Transaxle 5-speed			
		2004 Focus MT285 Manual Transaxle 6-speed			
		2006-09 Fusion, Milan Manual Transaxle	GL-4	SAE 75W-90, XT-4-QGL Ford Spec WSS-M2C203-A1	Synchronesh MTF
		2010-12 Ford Fusion 2011-12 Lincoln MKZ 2010-11 Mercury Milan	GL-4	SAE 75W-90, XT-4-QGL Ford Spec WSS-M2C203-A2	Synchronesh MTF
		2011-12 Ford Fiesta	SLF	PN XT-M5-QS, Spec WSS-M2C200-C	Available from dealer
	2005-08 Ford GT	SLF	QT-75W90-QGT	Available from dealer	
Ford Trucks	all vehicles except as noted	MA	MERCON® Automatic Transmission Fluid (obsolete). Now serviced by MERCON-V Automatic Transmission Fluid.	Synchronesh MTF	
	2001-12 Ford Escape 2005-12 Ford Escape Hybrid 2001-06, 200811 Mazda Tribute 2005-11 Mercury Mariner, Mariner Hybrid	GL-4	SAE 75W-90, XT-4-QGL Ford Spec WSS-M2C203-A1	Synchronesh MTF	
	1997-2010 Ford F150 1997-99 Ford F250 LD 2002 Lincoln Blackwood 2006-08 Lincoln Mark LT	2008 Mazda R2 5-speed (M50D) Manual Transmission	MA5	MERCON® -V Automatic Transmission Fluid PN QT-5-QM	Synchronesh MTF, MaxLife ATF, Mercon V ATF
	2007-12 Ford 2WD F250 HD, F350, F450, F550	2007 ZF S6-650, ZF M6HD-W 6-speed Manual Transmission	MA	MERCON® Automatic Transmission Fluid (obsolete). Now serviced by MERCON-V Automatic Transmission Fluid	Synchronesh MTF, Dex/Merc ATF, MaxLife ATF, Mercon V ATF
		2008 ZF S6-650, ZF M6HD-W 6-speed Manual Transmission	SLF	PN XT-M5-QS, Spec WSS-M2C200-C	Available from dealer
		2009-10 Diesel ZF S6-650, ZF M6HD-W 6-speed Manual Transmission	SLF	PN XT-M5-QS, Spec WSS-M2C200-C	Available from dealer
		2009-10 Gasoline ZF S6-650, ZF M6HD-W 6-speed Manual Transmission	MA5	MERCON® -V Automatic Transmission Fluid PN QT-5-QM	Synchronesh MTF, Mercon V ATF, MaxLife ATF
2001 TR4050 Manual Transmis- sion 5-speed					
	2008-11 Ford Ranger 2008-09 Mazda B2300, B4000	MA5	MERCON® -V Automatic Transmission Fluid PN QT-5-QM	Synchronesh MTF, Mercon V ATF, MaxLife ATF	
General Motors	all vehicles except as noted	GLS	GM PN 88861800	Synchronesh MTF	
	1995-97 Geo Metro	GL-4	SAE 75W-85 GM PN 12346190 or equivalent	Synchronesh MTF	
	1995-2001 Suzuki Swift	GL-4	75W-90	Synchronesh MTF	
	1999-2002 Daewoo Lanos	GL-5	75W, 80W	SynPower 75W-90 Gear Oil	
	2004-11 Chevrolet Aveo 2007-11 Chevrolet Aveo5 2009 Pontiac G3	2004-06 D16/D20 Manual Transaxle 5-speed	GL-4	SAE 75W-85 GM PN 12346190 or equivalent	Synchronesh MTF
		2007-11 D16/D20 Manual Transaxle 5-speed	GL-3	SAE 75W-90 GM PN 89021806 or equivalent	Synchronesh MTF
		Y4M Manual Transaxle 5-speed	GL-4	SAE 75W-85 GM PN 12346190 or equivalent	Synchronesh MTF
	2005-2012 Cadillac CTS 2005-2012 Cadillac CTS Sport Wagon	2005-07 Aisin AY6 manual Transmission 6-speed	GL-3	SAE 75W-90 GM PN 89021806 or equivalent	Synchronesh MTF
		2008-12 Aisin AY6 manual Transmission 6-speed	GL-5	SAE 75W-90 GM PN 88862475	SynPower 75W-90 Gear Oil
		2006-09 Pontiac Solstice 2007-09 Saturn Sky	GL-3	SAE 75W-90 GM PN 89021806 or equivalent	Synchronesh MTF
	1997-2005 Chevrolet Cavalier 2005-10 Chevrolet Cobalt 2006-11 Chevrolet HHR 2008-09 Pontiac G5 1997-2005 Pontiac Sunfire	1997-99 Isuzu Manual Transaxle 5-speed	GLS	GM PN 12345349	Synchronesh MTF
		Getrag Manual Transaxle 5-speed 2005-09 Cobalt 2008-09 G5 2006-09 HHR	GLS	GM PN 88861800	Synchronesh MTF, Dex/Merc ATF, MaxLife ATF
		Getrag Manual Transaxle 5-speed 2010 Cobalt 2010-2011 HRR	AF6	DEXRON® -VI Automatic Transmission Fluid	Synchronesh MTF, Dexron VI ATF, MaxLife ATF
		2005-07 MU3 Manual Transaxle 5-speed	SLF	GM PN 21018899	Synchronesh MTF
		2008-10 MU3 Manual Transaxle 5-speed	GLS	GM PN 88862472	Available from dealer

MAKE	MODEL / YEAR	Symbol	Fluid Specification	Valvoline Product	
General Motors	1997-2005 Chevrolet Cavalier 2005-10 Chevrolet Cobalt 2006-11 Chevrolet HHR 2008-09 Pontiac G5 1997-2005 Pontiac Sunfire	Getrag Manual Transmission 5-speed 2000-05 Cavalier 2000-05 Sunfire	GLS	GM PN 88861800	Synchromesh MTF, Dex/Merc ATF, MaxLife ATF
	2006-07 Pontiac G6		SLF	GM PN 21018899	Available from dealer, Synchromesh MTF
	2010-12 Chevrolet Camaro	Tremec Manual Transmission 6-speed	GLS	GM PN 88861800	Synchromesh MTF, Dex/Merc ATF, MaxLife ATF
		2010-12 Aisin AY6 Manual Transmission 6-speed	GL-5	SAE 75W-90 GM PM 89021677	SynPower 75W-90 Gear Oil
	2011-12 Chevrolet Cruze 2012 Chevrolet Sonic	2011 M20, M32 Manual Transmission 6-speed	GLS	GM PN 88862472	Available from dealer
		2012 M20, M32 Manual Transmission 6-speed	GLS	GM PN 19259104	Available from dealer
		D16/D20 Manual Transaxle 5-speed	GL-3	SAE 75W-90 GM PN 89021806 or equivalent	Synchromesh MTF
	F17-5 Manual Transaxle 5-speed	GLS	GM PN 88862472	Available from dealer	
General Motors Trucks	all vehicles except as noted	NV 3500 Manual Transmission	GLS	GM PN 12345349	Synchromesh MTF
		4-speed Manual Transmission with Iron Case		use GM PN 12345577	Synchromesh MTF
		5-speed Tremec (TZ0) Transmission		use 1874 MTX Fluid 12550 PN ET-M81	Synchromesh MTF
		5-speed Sectional Case		GM PN 12345349 or 1052931	Synchromesh MTF
		4-speed Manual Transmission w/ Aluminum Case		use GM PN 1052931	Synchromesh MTF, Premium Conventional 5W-30, MaxLife 5W-30, SynPower 5W-30
		NV 1500 Manual Transmission		GM PN 12377916	Top Off Only
		5-speed Tremec (MQ7) Transmission			Available from dealer
	1995-2000 Chevrolet S Series Blazer, S10 Pickup 1995-2000 GMC S Series Jimmy, Sonoma 1996-2000 Isuzu Hombre 1995-2000 Oldsmobile Bravada		GLS	1995 Borg-Warner 5 speed: GM PN 88861800	Synchromesh MTF, Dex/Merc ATF, MaxLife ATF
				1996-2000 New Venture 1500: GM PN 12377916	Top Off Only
				1995-2000 New Venture 3500: GM PN 12345349	Synchromesh MTF
	1999-2000 Cadillac Escalade (GMT400) 1995-2000 K Series Blazer 1995-2000 K Series Denali 1995-2000 K Series Pickups 1995-99 K Series Suburban 1995-2000 K Series Tahoe 1995-99 K Series Yukon	1995-2000 5-speed (NV 4500)	GL-4	75W-85 GM PN 12346190	Synchromesh MTF
		1995-2000 5-speed (NV 3500)	GLS	GM PN 12345349	Synchromesh MTF
		1995-2000 Borg Warner 1370, 4401, 4470	GLS	see above	Available from dealer
	2001-12 Chevrolet Silverado 2001-12 GMC Sierra HD	NV 4500 Manual Transmission 5-speed	GL-4	75W-85 GM PN 12346190	Synchromesh MTF
		ZF S6-650 Manual Transmission 6-speed	SLF	Synthetic Transmission fluid PN 12378515	Available from dealer
	Gasoline Engines: 2006-09 AM General Hummer H3, H3 2004-12 Chevrolet Colorado 2004-12 GMC Canyon 2006 Isuzu I-280, I350 2007 Isuzu I-290, I-370		GL-3	SAE 75W-90 PN 89021806 or equivalent	Synchromesh MTF
	2004-07 Buik Rainier 2001-05 Chevrolet S Series Blazer 2001-04 Chevrolet S10 Pickup 2002-09 Chevrolet Trailblazer 2002-09 GMC Envoy, Envoy XUV 2001-04 GMC S Series Jimmy, Sonoma 2003-08 Isuzu Ascender 2001-04 Oldsmobile Bravada	Manual Transmission New Venture 1500 2001-05	GLS	GM PN 12377916	Top Off Only
Manual Transmission New Venture 3500 2001-05		GLS	GM PN 12345349	Synchromesh MTF	

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General Motors Trucks	1995-99 Chevrolet C1500, 2500 LD 2WD 1995-2000 Chevrolet 2500HD, C3500 2WD 1995-99 GMC C1500 2WD 1995-2000 GMC C2500, C3500 2WD 1999-2007 2WD Chevrolet Silverado LD 1999-2007 2WD GMC Sierra LD 2003-09 AM General Hummer H2	NV 4500 Manual Transmission Top Cover 5-speed	GL-4 75W-85 GM PN 12346190	Synchromesh MTF
	1999-2013 4WD: Cadillac Escalade Escalade EXT Chevrolet Avalanche Silverado LD Suburban Tahoe GMC Denali Sierra LD Yukon Yukon XL Diesel Engines: 1995-2000 K-Series Pickups 1995-99 Suburban 1995-99 Tahoe 1995-97 Yukon	NV 3500 Manual Transmission Sectional Case 5-speed	GLS GM PN 12345349	Synchromesh MTF
Honda	all vehicles except as noted		GLS Honda Manual Transmission Fluid PN 08798-9031	Synchromesh MTF
	1995 Acura Integra 1995 Honda Accord 1995 Honda Civic 1995 Honda Del Sol 1995 Honda Odyssey 1995 Honda Prelude		SJ Motor Oil API Service SJ 10W-30, 10W-40	Synchromesh MTF, Premium Conventional, MaxLife, Synpower 10W-30, 10W-40
			SL Motor Oil API Service SL 10W-30, 10W-40	Synchromesh MTF, Premium Conventional, MaxLife, Synpower 10W-30, 10W-40
			GLS Honda Manual Transmission Fluid PN 08798-9031	Synchromesh MTF
	1995-98 Acura 2.5TL 1996-98 Acura 3.2TL 1996-2012 Acura 3.5 RL 1996-2012 Acura RL 1995 Acura Legend	Manual 5-speed transaxle	SJ Motor Oil API Service SJ 10W-30, 10W-40	Synchromesh MTF, Premium Conventional, MaxLife, Synpower 10W-30, 10W-40
	1995 Acura NSX		SJ Motor Oil API Service SJ 10W-30, 10W-40	Synchromesh MTF, Premium Conventional, MaxLife, Synpower 10W-30, 10W-40
Hyundai	all vehicles except as noted		GL-4 SAE 75W-85W, SAE75W-90	Synchromesh MTF
	1995-2010 Hyundai Elantra 2001-10 Hyundai Sante Fe 1999-2010 Hyundai Sonata 1997-2008 Hyundai Tiburon 2005-10 Hyundai Tucson 2007-10 Hyundai Veracruz	1995-2006	GL-4, GL-5 SAE 75W-85W, SAE 75W-90	(GL-4) Synchromesh MTF, (GL-5) SynPower 75W-90 Gear Oil
		2005-10	GL-4 SAE 75W-85W	Synchromesh MTF
		2001-04 Sante Fe	GL-4 SAE 75W-85W, SAE 75W-90	Synchromesh MTF
		2005-09 Sante Fe	GL-4 SAE 75W-85	Synchromesh MTF
Infiniti	1995-96, 1999-2002 Infiniti G20 2003-08 Infiniti G35		GL-4 Above 50°(10°C): SAE 140 30°F to 100°F (-1°C to 38°C): SAE 90 10°F to 85°F (-12°C to 29°C): SAE 85W Below 100°F (38°C): SAE 75W-90, SAE 80W-90 Below 85°F (29°C): SAE 80W Below 50°F (10°C): SAE 75W G35: 75W-90: SAE 75W-90 1998-2001: 75W-90: 75W-90: SAE 75W-90 2002: 75W-90, 80W-90: SAE 75W-90, 80W-90	Synchromesh MTF
	2008-09 Infiniti G37		GL-4 SAE 75W-85, SAE 75W-90	Synchromesh MTF
	2010-12 Infiniti G37 2011-12 Infiniti G25		GL-4 SAE 75W-85	Synchromesh MTF
Isuzu	all vehicles except as noted		SJ, SL Motor Oil, API Service SJ Motor Oil, API Service SL SAE 5W-30	Synchromesh MTF, Premium Conventional, MaxLife, SynPower 5W-30
	1998-99 Acura SLX 1998-2002 Honda Passport 1998-2000 Isuzu Amigo 2002-04 Isuzu Axiom 1998-2004 Isuzu Rodeo 2001-03 Isuzu Rodeo Sport 1998-2001 Isuzu Trooper 1999-2001 Isuzu VehiCROSS	T5 Manual Transmission 5-speed	AF3 DEXRON®-III Automatic Transmission Fluid	Synchromesh MTF, Dex/Merc ATF, MaxLife ATF
		2WD Manual Transmission ex. 5-speed: all	SJ, SL	Motor Oil, API Service SJ Motor Oil, API Service SL SAE 5W-30
2WD Manual Transmission ex. 5-speed: above 90°F (32°C)	SAE 15W-40, SAE 20W-40, SAE 20W-50	Synchromesh MTF, Premium Conventional, MaxLife, SynPower 15W-40, 20W-40, 20W-50		

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ISUZU	1996-97 Acura SLX 1995-97 Honda Passport 1995-97 Isuzu Amigo, Pickup, Rodeo, Trooper	T5 Manual Transmission 5-speed 1995-97	AF3	DEXRON®-III Automatic Transmission Fluid	Synchronesh MTF
		2WD Manual Transmission 1995-97 4WD Manual Transmission 1995-97	SJ, SL	Motor Oil, API Service SJ Motor Oil, API Service SL Above 90°F (32°C): SAE 15W-30, SAE 20W-40, SAE 20W-50 All Temperatures: SAE 5W-30	
Jaguar	2002-08 Jaguar X-Type	SLF	WSS-M2C200-C	Available from dealer	
Jeep	all vehicles except as noted		GLS	NSG370, NV1500, NV3550, T4, T5 and T176 Manual Transmissions PN 04876646 meeting MS-9224	Synchronesh MTF
	1995 Jeep Wrangler 1995-96 Jeep Cherokee		GL-5	SAE 75W-90	SynPower 75W-90 Gear Oil
	1997-2001 Jeep Cherokee		GL-3	SAE 75W-90	Synchronesh MTF
	1997-2000 Jeep TJ (Canada) 1997-2000 Jeep Wrangler	2000: NV3550 Manual Transmission 5-speed	GLS	PN 04876646 meeting MS-9224	Synchronesh MTF
		1997: AX-5 Manual Transmission 4cyl, V6, 6-cyl	GL-5	SAE 75W-90	SynPower 75W-90 Gear Oil
		1998-2000: AX-5 Manual Transmission 4cyl, V6, 6-cyl	GL-3	SAE 75W-90	Synchronesh MTF
		1997: AX-15 Manual Transmission 6 cyl	GL-5	SAE 75W-90	SynPower 75W-90 Gear Oil
		1998-99: AX-15 Manual Transmission 6 cyl	GL-3	SAE 75W-90	Synchronesh MTF
	2001-06 Jeep TJ (Canada) 2001-12 Jeep Wrangler	2001-04 NV3550 Manual Transmission 2003-04 NV1500 Manual Transmission	GLS	Mopar PN 04874464	Synchronesh MTF
		2001-02: AX-5 Manual Transmission	GL-3	SAE 75W-90	Synchronesh MTF
		2005-12: NSG370 Manual Transmission	GLS	PN 04876646 meeting MS-9224	Synchronesh MTF
Kia	all vehicles except as noted		GL-4	SAE 75W-85	Synchronesh MTF
	2001-05 Kia Rio 2002-05 Kia Rio Cinco	M5TX Manual Transaxle	GL-4	SAE 75W-90	Synchronesh MTF
	2004-09 Kia Spectra w/ 2.0L 2003-06 Kia Sorento				
	1995-97 Kia Sephia 1995-2002 Kia Sportage 2001-05 Kia Optima		GL-4, GL-5	SAE 75W-90	(GL-4) Synchronesh MTF, (GL-5) SynPower 75W-90 Gear Oil
	1998-2001 Kia Sephia 2000-04 Kia Spectra w/ 1.8L		GL-4, GL-5	SAE 80W-90	
	2006-10 Kia Optima		GL-4, GL-5	SAE 75W-85	
Land Rover	1995 Defender		AF3	DEXRON®-III Automatic Transmission Fluid	Synchronesh MTF, Dex/Merc ATF, MaxLife ATF
			FA	Automatic Transmission Fluid, Type-F FA is highly recommended due to its superior friction capabilities	Synchronesh MTF, Type FA ATF
	1995-1997 Discovery		AF3	DEXRON®-III Automatic Transmission Fluid	Synchronesh MTF, Dex/Merc ATF, MaxLife ATF
Lexus	all vehicles except as noted		GL-4, GL-5	SAE 75W-90	(GL-4) Synchronesh MTF, (GL-5) SynPower 75W-90 Gear Oil
	1995-2000 Lexus SC300		GL-4, GL-5	SAE 75W-90, SAE 80W-90	
	2011-12 IS250		GL-5*	SAE 75W-90	Available from Dealer
Mazda	all vehicles except as noted		GL-4, GL-5	SAE 75W-90	(GL-4) Synchronesh MTF, (GL-5) SynPower 75W-90 Gear Oil
	1995-2002 Mazda Probe	all	GL-4	SAE 75W-90	Synchronesh MTF
		Above 0°F (-18°C)	GL-4, GL-5	SAE 80W-90, 90	(GL-4) Synchronesh MTF, (GL-5) SynPower 75W-90 Gear Oil

MAKE	MODEL / YEAR	Symbol	Fluid Specification	Valvoline Product	
Mazda	1995-2012 Mazda Miata	M15M-D Manual Transmission 5-Speed: all	GL-4, GL-5	SAE 75W-90	(GL-4) Synchromesh MTF, (GL-5) SynPower 75W-90 Gear Oil
		M15M-D Manual Transmission 5-Speed: Above 50°F (10°C)		SAE 80W-90	
		2004-12: P66M-D Manual Transmission 6-speed: all	GL-4	SAE 75W-90	Synchromesh MTF
	1995-2012 Mazda Miata	2004-12: P66M-D Manual Transmission 6-speed: Above 50°F (10°C)	GL-4	SAE 80W-90	Synchromesh MTF
	2004-11 Mazda3 2006-10 Mazda5 2003-08 Mazda6	2003-09: w/ G35M-R Manual Transaxle: all	GL-4, GL-5	SAE 75W-90	(GL-4) Synchromesh MTF, (GL-5) SynPower 75W-90 Gear Oil
		2003-09 w/ G35M-R Manual Transaxle: Above 50°F (10°C)		SAE 80W-90	
		2010-11 w/ G35M-R Manual Transaxle: all	GL-4	SAE 75W-80	Synchromesh MTF
	2007-11 Mazda3 2006-07 Mazda6	2006-09 w/ A26M-R Manual Transaxle: all	GL-4, GL-5	SAE 75W-90	(GL-4) Synchromesh MTF, (GL-5) SynPower 75W-90 Gear Oil
		2010-11 w/ A26M-R Manual Transaxle all	GL-4	SAE 75W-80	Synchromesh MTF
	2010-11 Mazda3 2012 Mazda5	w/ G66M-R Manual Transaxle: all	GL-4	SAE 75W-80	Synchromesh MTF
	2009-11 Mazda6	w/ G66M-R Manual Transaxle: all	GL-4, GL-5	SAE 75W-90	(GL-4) Synchromesh MTF, (GL-5) SynPower 75W-90 Gear Oil
		w/ G66M-R Manual Transaxle: Above 50°F (10°C)		SAE 80W-90	
	2011-12 Mazda2		GL-4	SAE 75W-80	Synchromesh MTF
2007-11 Mazda RX-8		GL-4	SAE 75W-90	Synchromesh MTF	
1997-2002 Ford Escort 1997-99 mercury Tracer 1998-2003 Ford ZX2		MA	MERCON® Automatic Transmission Fluid (obsolete). Now serviced by MERCON-V Automatic Transmission Fluid	Synchromesh MTF, Dex/Merc ATF, MaxLife ATF	
2000-03 Ford Focus		SLF	Motorcraft PN XT-M5-QS	Available from dealer	
Mercedes-Benz	all vehicles	GLS	6-speed Manual Transmission : PN 001 989 2603 or approved products listed on MB sheet 235.10	Synchromesh MTF	
			All other Manual Transmissions: PN 000 989 2603 or approved products listed on MB sheet 236.2	Synchromesh MTF	
Mini	all vehicles	GLS	Texaco MTF94 Lifetime Fluid PN 83 22 0 140 516	Synchromesh MTF	
			MTF LT-3 Lifetime Fluid PN 83 22 7 533 818	Synchromesh MTF	
Mitsubishi	all vehicles except as noted		GL-4	SAE 75W-85W, 75W-90	Synchromesh MTF
	2006-07 Mitsubishi Lancer 2006-07 Mitsubishi Lancer Turbo		GL-4	SAE 75W-85W	Synchromesh MTF
	2008-11 Lancer		GL-3	SAE 75W-80	Synchromesh MTF
	2008-11 Mitsubishi Lancer Turbo (twin clutch sportronic)		GLS	DIA Queen SSTF-1	Available from dealer
	2006-12 Mitsubishi Eclipse		GL-3	SAE 75W-80, DiaQueen New Multi Gear	Synchromesh MTF
	1995-99 Mitsubishi Eclipse Turbo 1995-99 Eagle Talon Turbo		GL-4, GL-5	SAE 75W-85W, 75W-90	(GL-4) Synchromesh MTF, (GL-5) SynPower 75W-90 Gear Oil
	1995-98 Eagle Talon 1995-99 Mitsubishi Eclipse	2.0 Natural aspirated manual Transmission	GLS	Texaco MTX Fluid FM	Synchromesh MTF
other		GL-4	SAE 75W-85W, 75W-90		

MAKE	MODEL / YEAR	Symbol	Fluid Specification	Valvoline Product	
Nissan	1995-97 Nissan Sentra 1995-97 Nissan Maxima 1995-96 Nissan 300ZX 1995-98 Nissan 240SX 1995-97 Nissan Pathfinder 1997 Infiniti QX4 1996-97 Infiniti I30 1995-97 Nissan Altima 1995-97 Nissan Pickup 1995-97 Nissan 200SX	GL-4	Above 50°F (10°C)	SAE 140	Synchronesh MTF
			30°F to 100°F (-1°C to 38°C)	SAE 90	
			10°F to 85°F (-12°C to 29°C)	SAE 85W	
			Below 100°F (38°C)	SAE 75W-90, 80W-90 (preferred)	
			Below 85°F (29°C)	SAE 80W	
			Below 50°F (10°C)	SAE 75W	
	1998-99 Nissan Maxima 1998-2000 Infiniti I30 2000-2002 Infiniti I35 1998-2000 Nissan Altima 1998 Nissan 200SX 1998-2001 Nissan Sentra	GL-4	SAE 80W-90	Synchronesh MTF	
	2000 Nissan Maxima	GL-4	VINs upto YTO 12236, YT2 11680, YT5 27429 or YT7 40491	SAE 80W-90	Synchronesh MTF
			VINs from YT012237, YT2 11681, YT5 27430 or YT7 40492	SAE 75W-90	Synchronesh MTF
	2001 Nissan Maxima 2001 Infiniti I30 2002-03 Infiniti I35 2001-03 Nissan Altima 2003-07 Nissan 350Z	GL-4	SAE 75W-85, 75W-90	Synchronesh MTF	
2002-06 Nissan Maxima 2004-12 Nissan Altima 2009-12 Nissan 370Z 2002-2012 Nissan Frontier 2002-2012 Nissan Xterra 2004, 2007-12 Nissan Sentra w/ 2.5L 2005-06 Nissan Sentra 2009-12 Nissan Cube 5-speed 2009-12 Nissan Versa 5-speed	GL-4	SAE 75W-85	Synchronesh MTF		
1998-2001 Infiniti QX4 1998-2001 Nissan Pathfinder 1998-2001 Nissan Frontier 2000-2001 Nissan Xterra	GL-4	SAE 75W-90	Synchronesh MTF		
2002-03 Nissan Sentra 2004 Nissan Sentra w/ 1.8L	GL-4	SAE 75W-90, 80W-90	Synchronesh MTF		
2007-12 Nissan Sentra w/2.0L 2011 Nissan Sentra 2007-08 Nissan Versa 2009-12 Nissan Cube 6-speed 2009-12 Nissan Versa 6-speed 2011-12 Nissan Juke	GL-4	SAE 75W-80	Synchronesh MTF		
2009-12 Nissan GT-R	SLF	Nissan Transmission Oil R35 special	Available from dealer		
Porsche	all vehicles except as noted		GL-5	SAE 75W-90	SynPower 75W-90 Gear Oil
	1999-05 911			PN 999 917 545 00	Available from dealer
	1997-05 Boxter	G86/00, G86/01 Manual Transmissions		PN N 052 911 C0	Available from dealer
	Boxter S	G86/20 Manual Transmission		PN 999 917 546 00	Available from dealer
Saab	all vehicles except as noted		SLF		Available from dealer
	Manual Transmission 1997-98		SLF	PN 87 48 733	Available from dealer
	Manual Transmission 1999-early 2002		SLF	PN 400 108 247	Available from dealer
	All 2002-06 Manual Transmissions Beginning with: VIN 22023982 (9-3 Trolhattan), 27007452 (9-3 Finland), 23027675 (9-5)		SLF	PN 12799117	Available from dealer
	1995-96 Saab 900 1995-96 Saab 9000		SL	SAE 10W-30, 10W-40 Do not use synthetic oils	Available from dealer
	2005-06 Saab 9-2X		GL-5	SAE 75W-90	SynPower 75W-90 Gear Oil
Saturn	all vehicles except as noted		SLF	Saturn PN 21018899	Synchronesh MTF
	1995-2002 Saturn Coupe 1995-2002 Saturn Sedan 1995-2001 Saturn Wagon		AF3	DEXRON®-III Automatic Transmission Fluid	Synchronesh MTF, Dex/Merc ATF, MaxLife ATF
			SLF	Saturn PN 21005966 preferred	Synchronesh MTF, Dex/Merc ATF, MaxLife ATF
	2004-07 Saturn Vue 2002-07 Saturn VUE	M86 Manual Transaxle	GLS	GM PN 88861800	Synchronesh MTF, Dex/Merc ATF, MaxLife ATF
		MU3 Manual Transaxle	SLF	Saturn PN 21018899	Synchronesh MTF
2008-09 Saturn Astra		SLF	GM PN 88862472	Available from dealer	

MAKE	MODEL / YEAR	Symbol	Fluid Specification	Valvoline Product	
Scion	all vehicles except as noted	GL-5	SAE 75W-90	SynPower 75W-90 Gear Oil	
	2001 Scion xB	GL-4, GL-5	SAE 75W-90	(GL-4) Synchronesh MTF, (GL-5) SynPower 75W-90 Gear Oil	
	2011-12 Scion tC	GL-4	SAE 75W	Synchronesh MTF	
Smart Car	2008-11 Smart Car fortwo	GLS	Castrol Manual BOT 328	Available from Dealer	
Subaru	all vehicles	GL-5	all temperatures	SAE 75W-90	SynPower 75W-90 Gear Oil
			Above 32°F (0°C)	SAE 90	
			Above -22°F (-30°C)	SAE 85W	
			Below 90°F (32°C)	SAE 80W	
Suzuki	2010-12 Suzuki Kizashi 2011-12 Suzuki SX4 2011-12 Suzuki Grand Vitara	GL-4	SAE 75W-80	Synchronesh MTF	
	1995-97 Pontiac Sunrunner 1998-2004 Chevrolet Tracker 1995-97 Geo Tracker 2009-12 Suzuki Equator	GL-4	SAE 75W-85	Synchronesh MTF	
	2008 Suzuki Forenza 2008 Suzuki Reno 2009-10 Suzuki Grand Vitara 2009 Suzuki X-7	GL-4	SAE 75W-90	Synchronesh MTF	
	1995-98 Suzuki Sidekick 1996-98 Suzuki XC90 2002-07 Suzuki Aerio 2002-06 Suzuki Aerio SX	GL-4	SAE 75W-85, 75W-90	Synchronesh MTF	
	1999-2008 Suzuki Grand Vitara 1999-2004 Suzuki Vitara 2001-08 Suzuki XL 7 2007-10 Suzuki SX4	GL-4	all temperatures	SAE 75W-85, 75W-90	Synchronesh MTF
	Above 4°F (-20°C)		SAE 80W-90	Synchronesh MTF	
2004-07 Suzuki Forenza 2005-07 Suzuki Reno	GL-4	SAE 80W	Synchronesh MTF		
Toyota	all vehicles except as noted	GL-4, GL-5	SAE 75W-90	(GL-4) Synchronesh MTF, (GL-5) SynPower 75W-90 Gear Oil	
	1995-97 Geo Prizm 1998-2002 Chevrolet Prizm 2003-07 Pontiac Vibe	GL-4	SAE 75W-85	Synchronesh MTF	
	1995-99 Toyota Celica 2.0L Turbo only 1996-2000 Toyota RAV4 4WD 2008-10 Pontiac Vibe	GL-5	SAE 75W-90	SynPower 75W-90 Gear Oil	
	1995-98 Toyota Supra	Turbo only	GLS	Toyota V160 Gear Oil	Available from dealer
	1995 Toyota Pickup 2WD 1995-98 Toyota T100 Pickup 2WD	R150, R150F Manual Transmission W46, W55, W56, W59 Manual Transmission	GL-4	SAE 75W-90	Synchronesh MTF
	1995 Toyota T100 Pickup 4WD	SAE 75W-90, 80W-90			
	1995 Toyota Avalon 1995 Toyota Camry	2WD V6	GL-4, GL-5	SAE 75W-90, 80W-90	(GL-4) Synchronesh MTF, (GL-5) SynPower 75W-90 Gear Oil
	2002-03 Toyota Camry 2002-03 Toyota Highlander 2002-03 Toyota Sienna Van 2002-03 Toyota Solara	4WD			
	1995 Toyota MR2	2.0L Turbo only			
	2007-12 Toyota 4-Runner 2007-12 Toyota FJ Cruiser 2000-05 Toyota Echo 2006-12 Toyota Yaris	GL-4, GL-5*			
	2009-10 Toyota Corolla FWD 2009-10 Toyota Matrix 2010-11 Toyota Camry	GL-4	SAE 75W	Synchronesh MTF	
	1995 Toyota 4-Runner, Pickup 4WD	G40, G57, G58 Manual Transmission, 4-cyl. W46, W55, W56 Manual Transmission 4-cyl. R150, R150F Manual Transmission , V6	GL-4	SAE 75W-90	Synchronesh MTF
	SAE 75W-90, 80W-90				
	SAE 75W-90				

MAKE	MODEL / YEAR	Symbol	Fluid Specification	Valvoline Product	
Volkswagen	all vehicles except as noted	GL-4	Synthetic SAE 75W-90 VW PN G 005 000	Synchromesh MTF	
	1995-99 Volkswagen Cabrio 1996-98 Volkswagen Carbiolet 1996-98 Volkswagen Golf 1996-98 Volkswagen GTI 1996-98 Volkswagen Jetta	GL-4	Synthetic SAE 75W-90 VW PN G 052 726 A2	Synchromesh MTF	
	2012 Audi TT 2012 Audi TT Quatro	GL-4	Audi PN G 052 171 A2	Synchromesh MTF	
	2006-12 Audi A3 2006-12 Audi A3 Quattro 2006-10 Volkswagen Beetle 2009-12 Volkswagen CC 2007-12 Volkswagen EOS 2006-08, 2010-12 Volkswagen Golf 2006-12 Volkswagen GTI 2006-08 Volkswagen Jetta 2006-09 Volkswagen Rabbit 2009-12 Volkswagen Tiguan	O2J 5-speed, O2Q 6-speed Manual Transaxle	GL-4	Synthetic SAE 75W-90 VW PN G 052 726 A2 or G 052 171 A2	Synchromesh MTF
		OAF 5-speed Manual Transaxle	GL-4	SAE 75W VW PN G 070 726 A2	
		Beetle with OA4 5-speed Manual Transaxle		SAE 75W VW PN G 070 726 A2	
		Rabbit, Jetta 2010-12 Golf with OA4 5-speed Manual Transaxle		SAE 75W VW PN G 052 512 A2	
	2012 Volkswagen Beetle 2012 Volkswagen Passat	O2Q 6-speed Manual Transaxle	GL-4	Synthetic SAE 75W-90 VW PN G 052 171 A2	Synchromesh MTF
		Beetle with OA4 5-speed Manual Transaxle	GL-4	SAE 75W VW PN 070 726 A2	Synchromesh MTF
		Passat with OA4 5-speed Manual Transaxle	GL-4	SAE 75W VW PN G 052 512 A2	Synchromesh MTF
Volvo	1995-97 850 1998-2005 C70 1998-2005 S70 1998-2005 V70	GLS	PN 11 61 423	Available from dealer	
	2001-07 S40 2001-08 S60 2004-07 S60R 2005-07 V50 2005-07 V70 2005-07 V70R	GLS	PN 11 61 745	Available from dealer	
	2008-09 S60	GLS	MTF 97309	Available from dealer	
	2008-10 C30 2008-10 S40 2008-10 V50	GLS	Volvo PN 31 28 0771	Available from dealer	



Questions? Comments?
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