



This is a general outline. Always follow manufacturer's recommendations or contact Royal Purple's Automotive Technical Support Dept. at 888-382-6300.

TRANSMISSION LUBRICANT CROSS REFERENCE

TRANSMISSION	LUBRICANT SPEC / PART NUMBER	ROYAL PURPLE'S RECOMMENDATION
AUTOMATIC TRANSMISSION		
See Max ATF Specs Page 20		
MANUAL TRANSMISSION		
Manual Transmission/ Transaxle	Spec ATF's	Synchromax
Manual Transmission/ Transaxle	75W-90, 80W-90, 80W, 90W GL-4 or GL-5	Max Gear 75W-90
Manual Transmission/ Transaxle	75W-90, 80W-90 GL-3	HPS 10W-40 or XPR 10W-40
Bert & Brinn		Synchromax
Liberty & G-Force		Synchromax
APPLICATION	OEM SPEC # / PART #	ROYAL PURPLE RECOMMENDED
AUDI / VW	G-052-145	Max Gear 75W-90
BMW / MINI 1983 – 1992: Inspect for color coded label - typically affixed to passenger side of transmission	Green Label (Mobil SHC 630) Red Label (Dexron III) No Label (80W GL-4) 1993 – 1997 (Dexron III) 1998 & up (Mobil SHC 630) Esso MTF-LT-1, MTF-LT-2 MTF LT-3, MTF-LT-4 MTF-94 Castrol SAF-XJ (limited-slip) Castrol SAF-XO	Max Gear 75W-90 Synchromax HPS 5W-30 Synchromax Max Gear 75W-90 Synchromax Synchromax XPR 5W-20 Max Gear 75W-140 Max Gear 75W-90



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APPLICATION	OEM SPEC # / PART #	ROYAL PURPLE RECOMMENDED
CHRYSLER / JEEP	75W-90 GL-3 04873167 04874459 04874464 04874465 04874469 05179014AA Mopar C635 DDCT Trans Fluid, 75W MS-9224 MS-9417 NV4500 5-spd (75W-85) Viper Trans, 1993 (DEX III) Viper Trans, 1994 –2006 (75W-85) Viper Trans, 2008 & up (ATF+4)	HPS 10W-40 Synchromax Max Gear 75W-90 Synchromax Synchromax Max Gear 75W-140 Synchromax Synchromax Synchromax Synchromax Max Gear 75W-90 Synchromax Max Gear 75W-90 Synchromax
FORD MOTOR CO.	ESP-M2C166-H Mercon F32Z 19C547 XL-12 XT-2-QSM XT-5-QM XT-M5-QS XT-11-QDC	Synchromax Max Gear 75W-90 Synchromax Synchromax Synchromax HPS 10W-40 Synchromax
GENERAL MOTORS	SAE 80W-90 GM 1052931 GM 12345349 (Synchromesh) GM 12345577 GM 12346190 (SynTorque LT) GM 1235977 GM 12377916 (Synchromesh) GM 12378261 GM 12378396	Max Gear 75W-90 HPS or XPR 5W-30 Synchromax Synchromax Max Gear 75W-90 Max Gear 75W-90 Synchromax Max Gear 75W-90 Synchromax

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APPLICATION	OEM SPEC # / PART #	ROYAL PURPLE RECOMMENDED
GENERAL MOTORS CONTINUED	GM 12378505	Synchromax
	GM 12378508	Synchromax
	GM 12378514	Synchromax
	GM 12378515	Synchromax
	GM 12378557 (QuadraSteer)	Max Gear 75W-90
	GM 19256084	Synchromax
	GM 19259104	HPS or XPR 5W-30
	GM 21018899	HPS or XPR 5W-30
	GM 88861800	Synchromax
	GM 88862472 or 88862473	HPS or XPR 5W-30
	GM 88900402	Synchromax
	GM 89021677	Max Gear 75W-90
	GM 89021806	HPS or XPR 10W-40
	GM 92184900 (Castrol SAF Carbon Mod)	Max Gear 75W-90
	AutoTrak II	Synchromax
	BOT 0063	HPS or XPR 5W-30
	MTF 0063	HPS or XPR 5W-30
	Saab 12799117	HPS or XPR 5W-30
	Saturn 21005966	Synchromax
	Saturn MTF	HPS or XPR 5W-30
	VersaTrak fluid	Synchromax
HONDA / ACURA	Honda MTF # 08798-9031	HPS or XPR 5W-30
	Acura MTF # 08798-9031A	HPS or XPR 5W-30
	Honda MTF # 08798-9016	HPS or XPR 5W-30
	Acura MTF # 08798-9016A	HPS or XPR 5W-30
HYUNDAI	SAE 75W-85 (6-spd manual)	HPS or XPR 10W-40



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TRANSMISSION	LUBRICANT SPEC / PART NUMBER	ROYAL PURPLE'S RECOMMENDATION
APPLICATION	OEM SPEC # / PART #	ROYAL PURPLE RECOMMENDED
JAGUAR / LAND ROVER	Shell TF 0753 Shell Spirax TS 90 Castrol SAF XO Castrol SAF Carbon Mod	Synchromax Max Gear 75W-90 Max Gear 75W-90 Max Gear 75W-90
MERCEDES BENZ / SMART CAR	MB 000 989 2603 MB 001 989 2603 MB 001 989 1703 (Hypoid Gear Oil) Shell ATF 3403 M115, MB 236.10, NAG1 Fuchs ATF 3353, MB 236.12 Castrol Manual BOT 328	Synchromax Synchromax Max Gear 75W-90 Max ATF Max ATF Max Gear 75W-90
MITSUBISHI	Texaco MTX Fluid FM	XPR 5W-20
NISSAN	Castrol SAF-XJ Nissan Trans Oil R35 Special	Max Gear 75W-140 Synchromax
PORSCHE	000 043 300 38 000 043 304 71 000 043 300 37 Castrol BOT 338 (75W-80) Shell Spirax S5 ATF (75W-90) Burmah Carbon Mod (75W-90)	Synchromax HPS or XPR 10W-40 Max Gear 75W-90 Synchromax HPS or XPR 10W-40 Max Gear 75W-90
TOYOTA	V-160, 08885-01306 ('93 & up Turbo Supra) Toyota Genuine LF Gear Oil	Synchromax Synchromax

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