

ZF (4HP22/ 4HP24/ 5HP18/ 5HP24/ 5HP30) TRANSMISSION AND OIL APPLICATION CHART

	1991	1992	1993	1994	1995	1996	1997	1998	1999
E30 325i/iX/iC	4HP22 DEXRON III								
E31 850Ci	4HP24 ATF DEXRON III			6/94	10/94	5HP30 (A5S 560Z) ESSO LT LIFETIME FILL		6/97	
E31 840Ci			6/93	5HP30 (A5S 560Z) LIFETIME FILL		12/95	5HP30 (A5S560Z) LIFETIME FILL		8/97
E32 750iL	4HP24 ATF DEXRON III			3/94					
E32 740i/iL		5HP30 (A5S560Z) LIFETIME FILL		8/92	4/94				
E32 735i/iL	4HP22 ATF DEXRON III		7/92						
E34 540i			3/93	5HP30 (A5S560Z) LIFETIME FILL		10/95			
E34 535i	4HP22 ATF DEXRON III			1/93					
E34 530i/iT			3/93	5HP18 (A5S310Z) ATF DEXRON III		11/95			
E36 M3					10/94	5HP 18 (A5S 310Z) ESSO LT FILL LIFETIME			9/99
E38 750iL					1/95	5HP30 (A5S 560Z) ESSO LT LIFETIME FILL			
E38 740i/iL					7/94	5HP30 (A5S 560Z) ESSO LT		1/97	5HP24 (A5S 440Z) ESSO LT LIFETIME FILL
E39 540i/iT						3/96	1/97	5HP24 (A5S440Z) ESSO LT LIFETIME FILL	

USE OF ANY OTHER OIL WILL CAUSE A NON WARRANTABLE TRANSMISSION FAILURE !

APPROVED OILS:	UNOCAL DEXRON III "MULTI - PURPOSE ATF" CASTROL DEXRON III - MERCON TEXACO ATF MERCON - DEXRON III	USE ONLY SHELL LA 2634 BMW PART NUMBER 83 22 9 407 765 5 LITER BLACK - LIFETIME FILL	USE ONLY ESSO ATF LT 71141 BMW PART NUMBER 83 22 9 407 807 20 LITER BLUE - LIFETIME FILL
-----------------------	---	---	---

PRIOR TO REPLACING A TRANSMISSION - AN AUTHORIZATION CODE MUST BE OBTAINED FROM ZF TECHNICAL SPECIALIST, BMW TECHNICAL HOTLINE OR FSE !

FILL CAPACITY:	TRANSMISSION MODEL	WITH TORQUE CONVERTER	WITHOUT TORQUE CONVERTER
	4HP22	7.5 LITERS	3.0 LITERS
	4HP24	8.1 LITERS	3.1 LITERS
	5HP18 (A5S 310Z)	7.8 LITERS	3.2 LITERS
	5HP24 (A5S 440Z)	8.1 LITERS	3.3 LITERS
	5HP30 (A5S 560Z)	13.1 LITERS	5.5 LITERS

GM (A4S 310R) / (A4S 270R) & (A5S 360R) TRANSMISSION AND OIL APPLICATION CHART

	1991	1992	1993	1994	1995	1996	1997	1998	1999	
E34 525i/iT	THMR1 (A4S 310R) ATF - DEXRON III					12/95				
E39 528i/iT						2/96	THMR1 (A4S 270R) ATF - DEXRON III		8/99 5L40 9/99	
E36 318i/iS/iC/ti	THMR1 (A4S 310R) ATF - DEXRON III					9/95	THMR1 (A4S 270R) ATF - DEXRON III			
E36 325i/iS/iC	THMR1 (A4S 310R) / (A4S270R as of 9/95) ATF - DEXRON III					10/95				
E36 323i/iS/iC							9/97	THMR1 (A4S 270R) ATF - DEXRON III		
E36 328i/iS/iC						10/95	THMR1 (A4S 270R) ATF - DEXRON III			
E46 323i/iS/iC								7/98	5L40 (A5S 360R) Texaco ETL	
E46 328i/iS								6/98	5L40 (A5S 360R) Texaco ETL 7045	
Z3 (1.9L/2.8L)						10/95	THMR1 (A4S 270R) ATF - DEXRON III			

USE OF ANY OTHER OIL WILL CAUSE A NON WARRANTABLE TRANSMISSION FAILURE !

APPROVED OILS:	UNICAL DEXRON III - D - "MULTI - PURPOSE ATF" CASTROL DEXRON III - MERCON TEXACO ATF MERCON - DEXRON III	USE ONLY TEXACO ETL 7045 BMW PART NUMBER 83 22 0 002 121 25 LITER CONTAINER LIFETIME FILL
	LIFETIME FILL AS OF 9/95 VEHICLE PRODUCTION	

**PRIOR TO REPLACING A TRANSMISSION - AN AUTHORIZATION CODE MUST BE OBTAINED FROM GM
TECHNICAL SPECIALIST, BWM TECHNICAL HOTLINE OR FSE !**

FILL CAPACITY:	TRANSMISSION MODEL	WITH TORQUE CONVERTER	WITHOUT TORQUE CONVERTER
	THM R1 (A4S 270R)	8.8 LITERS	3.0 LITERS
	THM R1 (A5S 310R)	8.8 LITERS	3.1 LITERS
	5L40-E/GM5 (A5S 360R)	8.8 LITERS	3.1 LITERS