

**FORD:** 1980-2002 CROWN VICTORIA, GRAND MARQUIS  
1981-1997 THUNDERBIRD  
1981-2002 ESCORT, MUSTANG  
1982-1988 EXP  
1984-1994 TEMPO, TOPAZ  
1986-1993 FESTIVA  
1986-2002 TAURUS, SABLE  
1989-1997 PROBE  
1994-1998 ASPIRE  
1995-2000 CONTOUR, MYSTIQUE  
2000-2002 FOCUS  
2002 THUNDERBIRD  
1980-1996 BRONCO  
1981-1997 F-250 HD, F-350  
1981-2002 E SERIES, F-150  
1983-2002 RANGER  
1984-1990 BRONCO II  
1986-1997 AEROSTAR  
1988-1997 F SUPER DUTY  
1991-2002 EXPLORER  
1995-2002 WINDSTAR  
1997-2002 EXPEDITION  
1999-2002 SUPER DUTY F SERIES  
2000-2002 EXCURSION  
2001-2002 ESCAPE  
1981-1997 COUGAR  
1982-1987 LN7  
1987-1999 TRACER  
1991-1994 CAPRI  
1999-2002 COUGAR  
1993-2002 VILLAGER  
1997-2002 MOUNTAINEER

**LINCOLN:** 1980-2002 TOWN CAR  
1981-2002 CONTINENTAL  
1984-1992 MARK VII  
1993-1998 MARK VIII  
2000-2002 LS  
1998-2002 NAVIGATOR  
2002 BLACKWOOD

This TSB article is being republished in its entirety to update the Application Chart.

**ISSUE**

A new automatic transmission fluid (MERCON® V) was introduced in 1997 for use in some Ford,

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Lincoln and Mercury vehicles. This new MERCON® V fluid is not used in all applications and **is not interchangeable** with others transmissions fluids that are currently used. Using the incorrect fluid may cause transmission or transaxle concerns.

### **ACTION**

For proper fluid application on current and past model vehicles equipped with Manual or Automatic Transmission or Transaxle refer to the Fluid Usage Chart (Figures 1, 2 and 3).

**OTHER APPLICABLE ARTICLES:** NONE

**SUPERSEDES:** 98-8-8

**WARRANTY STATUS:** INFORMATION ONLY

**OASIS CODES:** 501000, 502000, 503000, 503300,  
504000, 505000, 505200, 507000,  
510000, 590000

PART NUMBER	PART NAME
XT-5-QM	MERCON® V (Quart)
XT-2-QDX	MERCON® (Quart)
XT-2-QSM	MERCON® Synthetic (Quart)
XT-5-DM	MERCON® V (55 Gallon Drum)
XT-2-DDX	MERCON® (55 Gallon Drum)
XT-1-QF	TYPE "F" (Quart)
F32Z-19C547-MA	Gear Oil SAE 75W-90 (Quart)
XT-M5-QS	Full Synthetic Manual Transmission Fluid® (Quart)

### AUTOMATIC TRANSMISSION FLUID

TYPE MODEL YEAR	# E4OD	# 4R100		* AX4S (AX0DE)	4F50N (AX4N)	AOD	AODE	4R70W	A4LD	4R44E	4R55E	5R55E	5R55N	5R44E	5R55W/S	
1977																
1978																
1979																
1980																
1981																
1982																
1983																
1984																
1985																
1986	M															
1987																
1988																
1989																
1990																
1991																
1992																
1993																
1994																
1995																
1996																
1997																
1998																
1999																
2000																
2001																
2002																
MODEL YEAR	#	#		* AX4S (AX0DE)	4F50N (AX4N)	AOD	AODE	4R70W	A4LD	4R44E	4R55E	5R55E	5R55N	5R44E	5R55W/S	
TYPE	C6	E4OD	4R100	AXOD	AX4S (AX0DE)	4F50N (AX4N)	AOD	AODE	4R70W	A4LD	4R44E	4R55E	5R55E	5R55N	5R44E	5R55W/S

*(Automatic Transmission Fluid Chart is continued on the next page)*

**#** MERCON® and MERCON® V type fluids are not interchangeable. DO NOT mix MERCON® and MERCON® V. Use of a transmission fluid that indicates dual usage (MERCON® and MERCON® V) in an automatic transmission application requiring MERCON® may cause transmission damage. Use of any fluid other than the recommended fluid may cause transmission damage.

**\*** 1998 Windstar vehicles built before 9/9/97 use MERCON® ATF XT-2-QDX. DO NOT use MERCON® V in 1998 Windstar vehicles built before 9/9/97. All 1998 Taurus/Sable vehicles use MERCON® V ATF XT-5-QM.

- TYPE "F"** — Part number XT-1-QF (Quarts) Ford Specification is Type "F", ESW-M2C33-F.
- M** — Part number XT-2-QDX (Quarts) and XT-2-DDX (55 Gallon Drum) Ford Specification is MERCON®.
- V** — Part number XT-5-QM (Quarts) and XT-5-DM (55 Gallon Drum) Ford Specification is MERCON® V.

**FAILURE TO USE RECOMMENDED FLUID WILL AFFECT TRANSMISSION PERFORMANCE. REFER TO THE OWNER'S MANUAL AND/OR FLUID LEVEL INDICATOR FOR PROPER FLUID TYPE.**

Ford Motor Company uses two automatic transmission fluids in the transmissions now being built. Either MERCON® or MERCON® V automatic transmission fluid may be called for, depending on the type of transmission and the year the transmission was built. Although both fluids are excellent, they exhibit different properties and should be used only in the transmission for which they were designed. The vehicle owner and rebuilder should replace fluid with the type printed in the Owner's Guide and on the automatic transmission fluid level indicator. Refer to your Scheduled Maintenance Guide to determine the correct service interval. Failure to use the recommended fluid may affect transmission performance and durability.

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Figure 1 - Article 01-15-7

### AUTOMATIC TRANSMISSION FLUID

TYPE MODEL YEAR	C4	C5	JATCO FOR COURIER	JATCO FOR PASS. CAR	FMX	ZF	C3	ATX	MAZDA ATX	F4E (4EAT)	4F20E	CD4E	4F27E
1977													
1978	↑ TYPE "F"			↑ (M)	↑ TYPE "F"		↑ TYPE "F"						
1979			↑ TYPE "F"										
1980	↓ (M)												
1981													
1982		↓ (M)											
1983													
1984		↓ (M)				↓ (M)	↓ (M)						
1985													
1986													
1987								↓ (M)					
1988													
1989													
1990													
1991													
1992													
1993													
1994													
1995													
1996													
1997													
1998													
1999													
2000													↓ V
2001													↓ V
2002													↓ V
MODEL YEAR	C4	C5	JATCO FOR COURIER	JATCO FOR PASS. CAR	FMX	ZF	C3	ATX	MAZDA ATX	F4E (4EAT)	4F20E	CD4E	4F27E
TYPE	C4	C5	JATCO FOR COURIER	JATCO FOR PASS. CAR	FMX	ZF	C3	ATX	MAZDA ATX	F4E (4EAT)	4F20E	CD4E	4F27E

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\* 1998 Windstar vehicles built before 9/9/97 use MERCON® ATF XT-2-QDX. DO NOT use MERCON® V in 1998 Windstar vehicles built before 9/9/97. All 1998 Taurus/Sable vehicles use MERCON® V ATF XT-5-QM.

- TYPE "F"** — Part number XT-1-QF (Quarts) Ford Specification is Type "F", ESW-M2C33-F.
- (M)** — Part number XT-2-QDX (Quarts) and XT-2-DDX (55 Gallon Drum) Ford Specification is MERCON®.
- V** — Part number XT-5-QM (Quarts) and XT-5-DM (55 Gallon Drum) Ford Specification is MERCON® V.

**FAILURE TO USE RECOMMENDED FLUID WILL AFFECT TRANSMISSION PERFORMANCE. REFER TO THE OWNER'S MANUAL AND/OR FLUID LEVEL INDICATOR FOR PROPER FLUID TYPE.**

Ford Motor Company uses two automatic transmission fluids in the transmissions now being built. Either MERCON® or MERCON® V automatic transmission fluid may be called for, depending on the type of transmission and the year the transmission was built. Although both fluids are excellent, they exhibit different properties and should be used only in the transmission for which they were designed. The vehicle owner and rebuilder should replace fluid with the type printed in the Owner's Guide and on the automatic transmission fluid level indicator. Refer to your Scheduled Maintenance Guide to determine the correct service interval. Failure to use the recommended fluid may affect transmission performance and durability.

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Figure 2 - Article 01-15-7




## MANUAL TRANSMISSION FLUID

FRONT WHEEL DRIVE							REAR WHEEL DRIVE									
TYPE																
MODEL YEAR	MTX-1/3/4	MT	F5M G5M	MTX75	IB5	G1	T50D	M5R1/R2	M5O/D	T45	TR3650	S5-47 (ZF)	ZF6S	GETRAG (221)	OTHER MANUAL TRANS.	
1977																
1978																
1979																
1980																
1981	M															
1982	M															
1983	M															
1984	M															
1985	M															
1986	M															
1987	M															
1988	M															
1989	M															
1990	M															
1991	M															
1992	M															
1993	M															
1994	M															
1995	M															
1996	M															
1997	M															
1998	M															
1999	M															
2000	M															
2001	M															
2002	M															
MODEL YEAR			SEE NOTE 1									SEE NOTE 2				SEE NOTE 3
TYPE	MTX-1/3/4	MT	F5M G5M	MTX75	IB5	G1	T50D	M5R1/R2	M5O/D	T45	TR3650	S5-47 (ZF)	ZF6S	GETRAG (221)	OTHER MANUAL TRANS.	

**NOTE 1:** Service 1989 - 1994 Probe and 2001 - 2002 Escape with F32Z-19C547-MA Ford Specification WSS-M2C203-A1 (MES 115-A).

**NOTE 2:** 1988 - 1998 Service gasoline vehicles with **MERCON®**.  
 1996 - 1998 Service diesel vehicles with **MERCON®** synthetic.  
 1999 - 2001 Service all vehicles with **MERCON®** synthetic.

**NOTE 3:** XT-M5-QS replaced SAE 80W manual transmission fluid F2ZZ-19C547-A

-  **MERCON®**  
 — Part number XT-2-QDX (Quarts) and XT-2-DDX (55 Gallon Drum) Ford Specification is **MERCON®**.
-  **MERCON®** SYNTHETIC  
 — Part number XT-2-QSM Ford Specification ESR-M2163-A2 and **MERCON®**.
-  **FULL SYNTHETIC MANUAL TRANSMISSION FLUID®**  
 — Part Number XT-M5-QS (Quart) Ford Specification WSD-M2C200-C.

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Figure 3 - Article 01-15-7