

1999 Ford Mustang GT V8-4.6L SOHC VIN X

Vehicle > Technical Service Bulletins

PCM - CALIBRATION INFORMATION

Article No.

99-14-7

07/12/99

CALIBRATION INFORMATION - VEHICLES BUILT THROUGH 1/29/1999 - APPLICABLE ENGINES ARE 2.0L, 2.5L, 3.0L, 3.4L, 3.8L, 4.0L, 4.2L, 4.6L, 5.0L, 5.4L, 6.8L, AND 7.3L - SERVICE TIP

FORD:

1999 CONTOUR, CROWN VICTORIA, ESCORT, MUSTANG, TAURUS SHO, TAURUS, ECONOLINE, EXPEDITION, EXPLORER, F-150, F-250 LD, RANGER, SUPER DUTY F SERIES, WINDSTAR

LINCOLN:

1999 CONTINENTAL, TOWN CAR, NAVIGATOR

MERCURY:

1999 COUGAR, GRAND MARQUIS, MYSTIQUE, SABLE, TRACER, MOUNTAINEER

This TSB article is being republished in its entirety to provide information on using the Service Bay Technical System (SBTS) and New Generation Star (NGS) Tester, and to update the Powertrain Control Module (PCM) Information charts.

ISSUE

Calibration information was not readily provided on some vehicles.

ACTION

Refer to the following Service Information and Powertrain Control Module (PCM) Information charts for details.

SERVICE INFORMATION

To determine a vehicle's calibration:

1. Check OASIS to see if calibration is shown.
2. Check the certification label on the door. On most vehicles built after 1/18/1999, the calibration number is printed on the bottom right corner of the certification label. The calibration will be the 4 to 7 digit number located in the section directly to the right of the letters "SPR".

PCM INFORMATION - STEP 3	
For 1999 Model Year Vehicles Built Through 1/31/1999	For All Vehicles Using SBTS And NGS Tester
<p>For 1999 model year vehicles built through 1/31/1999, find the PCM tear tag located on the vehicle. Cross-reference the tear tag code to find the base calibration using the Powertrain Control Module (PCM) Information charts found in this TSB article.</p>	<ol style="list-style-type: none"> 1. Using the NGS Tester, locate the PCM ID Engineering Number (i.e., XR3 FNC) and the Software ID (i.e., CVBAA6C9.HEX) by the following: a) Install the RED diagnostic data link. b) Select vehicle. c) Select diagnostic data link. d) Select PCM from the choices listed on NGS. e) Record the PCM ID and the software ID. Write these down, you will need them later. 2. On SBTS, go to the icon NGS UTILITY function. This will present two screens, left and right. The option for the FUNCTION (LH screen) is PCM recalibration. The option for the OPTION (RH screen) is View Calibration information. Hit the RUN SELECTIVE FUNCTION button. 3. Select Model Year, Model, and Engine. This will provide you with five screens (top, LH, middle, RH, bottom). 4. By scrolling through the calibration options on the QUALIFIER (top screen), you will change the CALIBRATION numbers in the LH screen. 5. By scrolling through LH screen, the ENGINEERING PART NUMBER (middle screen) will change. When you find the Engineering Part No. from Step 1, the calibration number on the LH screen is the one to use. Write this number down, you will need it later. 6. Cancel back to the NGS UTILITY function. The FUNCTION (LH screen) is PCM recalibration. The OPTION (RH screen) is Download Cal data through special card. 7. Hit CALL DOWNLOAD SCREEN button. Download calibration number is the one from Step 5. Hit DOWNLOAD CALIBRATION button.

1999 LIGHT TRUCK POWERTRAIN CONTROL MODULE (PCM) INFORMATION				
Vehicle	Application	Tear Tag (* = Any Number)	Qualifier	Calibration
2.5L RANGER	FED/ALT/CAN CAL	BDB* CLC*	9B1A-AA CALIBRATION 9B1A-BA CAL WITH TEAR TAG CLC0	9B1A-AA* 9B1A-BA*
1999.5 MODEL YEAR 1999.5 MODEL YEAR	FED/ALT/CAN 50S	ETT* RRH*	9B1A-AB CALIBRATION 9B1A-BA CAL WITH TEAR TAG RRHx	9B1A-AB* 9B1A-BA*
2.5L RANGER - MANUAL	FED/ALT/CAN	DTR*	9B1M-AA OR 9B1M-AB CALIBRATION	9B1M-A A
	FED/ALT/CAN	XNA*	8-49B OR 9B1M-AC CALIBRATION	9B1M-AC
	CAL	MRM*	8-49S OR 9B1M-BB CALIBRATION	9B1M-BB
	FED/ALT/CAN	GAJ*	9B1M-AA OR 9B1M-AB CALIBRATION	9B1M-AB
	CAL	EPC*	9B1M-BA CALIBRATION	9B1M-BA
3.0L RANGER	FED/ALT	MJH*, HCL0, HCL2	9LAA-AH WITH TAG HCL0/HCL2/MJH0	9LAA-A H
	FED/ALT	HCL3, HCL4	9LAA-AH WITH TAG HCL3/HCL4	9LAA-AH
	FED/ALT	RGJ*, JTQ0, JTQ2	9LAA-AJ WITH TAG JTQ0/JTQ2/RGJ0	9LAA-AJ
	FED/ALT	JTQ3, JTQ4	9LAA-AJ WITH TAG JTQ3/JTQ4	9LAA-AJ
	CAL	NCH*, KDM0, KDM2	9LAA-BH WITH TAG KDM0/KDM2/NCH0	9LAA-BH
	CAL	KDM3, KDM4	9LAA-BH WITH TAG KDM3/KDM4	9LAA-BH
	CAL	YRB*,LYC0 LYC2	9LAA-BJ WITH TAG LYC0/LYC2/YRB0	9LAA-BJ
	CAL	LYC3, LYC4	9LAA-BJ WITH TAG LYC3/LYC4	9LAA-BJ
3.0L RANGER - MANUAL	FED/ALT	MXA*	9LAM-AA CALIBRATION	9LAM-AA
	FED/ALT	NTT*	9LAM-AB CALIBRATION	9LAM-AB
	FED/ALT	PFK*	9LAM-AC CALIBRATION*	9LAM-AC
	CAL	YBJ*	9LAM-BA CALIBRATION	9LAM-BA
	CAL	PDL*	9LAM-BB CALIBRATION	9LAM-BB
3.0L RANGER	CAN/MEX	JAA*	**	9LAA-MA
	CAN/MEX	GRR*	**	9LAA-MB
1999.5 MODEL YEAR	CAN/MEX	LLF*	**	9LAA-MA
1999.5 MODEL YEAR	CAN/MEX	MTD*	**	9LAA-MB
3.0L RANGER - MANUAL	CAN/MEX	MBJ*	**	9LAM-MA
	CAN/MEX	PDR*	**	9LAM-MB
4.0L RANGER - MANUAL	FED/ALT/CAN	GHA*	9LTM-AB CALIBRATION	9LTM-AB
	FED/ALT/CAN	HPD*	9LTM-AC CALIBRATION	9LTM-AC
	CAL	NFF*	9LTM-BB CAL WITH TEAR TAG NFFx	9LTM-BB

Vehicle	Application	Tear Tag (* = Any Number)	Qualifier	Calibration
1999.25 MODEL YEAR	CAL	PFY*	9LTM-BC CAL WITH TEAR TAG PFYx	9LTM-BC
	FED/ALT/CAN	SUQ*	9LTM-AD CALIBRATION	9LTM-AD*
	CAL	TRP*	9LTM-AE CALIBRATION	9LTM-AE*
4.0L RANGER	CAL	VHA*	9LTM-BB CAL WITH TEAR TAG VHAx	9LTM-BB
	CAL	XDD*	9LTM-BC CAL WITH TEAR TAG XDDx	9LTM-BC
	FED/ALT/CAN	RKJ*	9LTA-AB CALIBRATION	9LTA-AB
	FED/ALT/CAN	SDY*	9LTA-AC CALIBRATION	9LTA-AC
	CAL	TCR*	9LTA-BB CAL WITH TEAR TAG TCRx	9LTA-BB
1999.25 MODEL YEAR	CAL	VGf*	9LTA-BC CAL WITH TEAR TAG VGfX	9LTA-BC
	FED/ALT/CAN	ERR*	9LTA-AD CALIBRATION	9LTA-AD
	FED/ALT/CAN	HUU*	9LTA-AE CALIBRATION	9LTA-AE
	50S	KDX*	9LTA-BB CAL WITH TEAR TAG KDXx	9LTA-BB
4.0L EXPLORER/MOUNTAINEER OHV	50S	NEG*	9LTA-BC CAL WITH TEAR TAG NEGx	9LTA-BC
	50S	XQX*	9LTA-BA CALIBRATION	9LTA-BA
4.0L EXPLORER/MOUNTAINEER SOHC	50S	ZRA*	9LTM-BA CALIBRATION	9LTM-BA
4.0L EXPLORER/MOUNTAINEER	50S	CDE*	9NEA-BA CALIBRATION	9NEA-BA
4.2L F-150	FED/ALT/CAN	AAT*	9LYA-AA CALIBRATION	9LYA-AA
	FED/ALT/CAN	BNC*	9LYA-AB CALIBRATION	9LYA-AB
4.2L F-150 - MANUAL	CAL	DQE*	9LYA-BA CALIBRATION	9LYA-BA
	CAL	EJK*	9LYA-BB CALIBRATION	9LYA-BB
	MEXICO	CVE*		9LYA-AH
	FED/ALT/CAN	FMY*	9LYM-AA CALIBRATION	9LYM-AA
	FED/ALT/CAN	GTL*	9LYM-AB CALIBRATION	9LYM-AB
4.2L ECONOLINE	CAL	JNY*	9LYM-BA CALIBRATION	9LYM-BA
	CAL	KGA*	9LYM-BB CALIBRATION	9LYM-BB
	MEXICO	HDP*		9LYM-AC
	FED/ALT/CAN	ATD*	9LYA-AC CALIBRATION	9LYA-AC
	FED/ALT/CAN	BYT*	9LYA-AD CALIBRATION	9LYA-AD
	FED/ALT/CAN	CGR*	9LYA-AE CALIBRATION	9LYA-AE
	FED/ALT/CAN	DMZ*	9LYA-AF CALIBRATION	9LYA-AF
	CAL	EML*	9LYA-BC CALIBRATION	9LYA-BC
	CAL	FFY*	9LYA-BE CALIBRATION	9LYA-BE
	CAL	GGD*	9LYA-BF CALIBRATION	9LYA-BF
4.6L ECONOLINE	CAL	HXB*	9LYA-BG CALIBRATION	9LYA-BG
	FED/ALT/CAN	Rll*	8-48M CALIBRATION	8-48M
4.6L F-150	CAL	SYy*	8-48W CALIBRATION	8-48W
	FED/ALT/CAN	YBQ*	9VNA-AD CALIBRATION	9VNA-AD
	FED/ALT/CAN	ZJP*	9VNA-AE CALIBRATION	9VNA-AE
	FED/ALT/CAN	AMG*	9VNA-AF CALIBRATION	9VNA-AF
	CAL	CFK*	9VNA-BB CALIBRATION	9VNA-BB
	CAL	DRT*	9VNA-BC CALIBRATION	9VNA-BC
	CAL	EPY*	9VNA-BD CALIBRATION	9VNA-BD
	MEXICO	BRB*		9VNA-AJ
4.6L F-150 - MANUAL	FED/ALT/CAN	FUG*	9VNM-AC CALIBRATION	9VNM-AC

Vehicle	Application	Tear Tag (* = Any Number)	Qualifier	Calibration
4.6L F-250	FED/ALT/CAN	GZW*	9VNM-AD CALIBRATION	9VNM-AD
	CAL	JHX*	9VNM-BC CALIBRATION	9VNM-BC
	CAL	KSR*	9VNM-BD CALIBRATION	9VNM-BD
	MEXICO	XSB*		9VNM-AE
	FED/ALT/CAN	NSL*	9VNA-AG CALIBRATION	9VNA-AG
	FED/ALT/CAN	PSA*	9VNA-AH CALIBRATION	9VNA-AH
	CAL	RCD*	9VNA-BE CALIBRATION	9VNA-BE
	CAL	SWY*	9VNA-BF CALIBRATION	9VNA-BF
	FED	RPH*	9VNA-AP CALIBRATION	9VNA-AP*
	CAL	SGX*	9VNA-BN CALIBRATION	9VNA-BN*
4.6L F-250 - MANUAL	FED/ALT/CAN	TPP*	9VNM-AA CALIBRATION	9VNM-AA
	FED/ALT/CAN	VTE*	9VNM-AB CALIBRATION	9VNM-AB
	CAL	WXK*	9VNM-BA CALIBRATION	9VNM-BA
	CAL	XTE*	9VNM-BB CALIBRATION	9VNM-BB
4.6L EXPEDITION	50S	BTG*	9VNA-BG CALIBRATION	9VNA-BG
5.0L EXPLORER/MOUNTAINEER	50S	EQE*	9VAA-BA CALIBRATION	9VAA-BA
5.4L ECONOLINE	FED/ALT/CAN	RLM*	8-46K CALIBRATION	8-46K
	CAL	ANQ*	8-46Q CALIBRATION	8-46Q
	FED/ALT/CAN	BRR*	8-74C CALIBRATION	8-74C
	CAL	CVQ*	8-74S CALIBRATION	8-74S
	CAL	DWW*	8-74T CALIBRATION	8-74T
	CAL	ETY*	8-74U CALIBRATION	8-74U
	CAL	FSS*	8-74V CALIBRATION	8-74V
	50S/ALT/CAN	RST*	7-46N CALIBRATION	7-46N
	FED/ALT/CAN	LHH*	9VZA-AH CALIBRATION	9VZA-AH
		NYI*	9VZA-BL CALIBRATION	9VZA-BL
5.4L F-150	FED/ALT/CAN	ZZT*	9VZA-AC CALIBRATION	9VZA-AC
	FED/ALT/CAN	BOJ*	9VZA-AD CALIBRATION	9VZA-AD
	FED/ALT/CAN	DAH*	9VZA-AP CALIBRATION	9VZA-AP
	CAL	FCR*	9VZA-BC CALIBRATION	9VZA-BC
5.4L F-250 NATURAL GAS	50S/ALT/CAN	ZET*	9VZA-AN CALIBRATION	9VZA-AN
5.4L F-250	FED/ALT/CAN	WIJ*	9VZA-AB CALIBRATION	9VZA-AB
	CAL	HNE*	9VZA-BF CALIBRATION	9VZA-BF
5.4L SUPER DUTY	FED/ALT/CAN	MER*	9VZA-AF CALIBRATION	9VZA-AF
		NUY*	9VZA-BJ CALIBRATION	9VZA-BJ
5.4L NAVIGATOR 4V	50S	LAZ*	9WCA-BA CALIBRATION	9WCA-BA
5.4L EXPEDITION/NAVIGATOR	50S	JAS*	9VZA-BE CALIBRATION	9VZA-BE
6.8L ECONOLINE	FED/ALT/CAN	WOM*	8-96E CALIBRATION	8-96E
	50S/ALT/CAN	XTT*	8-96J CALIBRATION	8-96J
	CAL	YMC*	8-96T CALIBRATION	8-96T
	CAL	ZJZ*	8-96W CALIBRATION	8-96W
	CAL	VOO*	8-96X CALIBRATION	8-96X
	50S/ALT/CAN	YHH*	9WAA-AA CALIBRATION	9WAA-AA
6.8L SUPER DUTY	FED/ALT/CAN	AEO*	9WAA-AC CALIBRATION	9WAA-AC
	50S/ALT/CAN	BIH*	9WAA-AF CALIBRATION	9WAA-AF
	FED/ALT/CAN	DOZ*	9WAA-AH CALIBRATION	9WAA-AH
	50S/ALT/CAN	MCM*	9WAA-AI CALIBRATION	9WAA-AI
	CAL	EAP4	9WAA-BC CALIBRATION	9WAA-BC
	CAL	FOT*	9WAA-BD CALIBRATION	9WAA-BD
	CAL	JUR*	9WAA-BL CALIBRATION	9WAA-BL
	CAL	JTY*	9WAA-BV CALIBRATION	9WAA-BV

Vehicle	Application	Tear Tag (* = Any Number)	Qualifier	Calibration
SUPER DUTY - MANUAL	CAL	MFG*	9WAA-BY CALIBRATION	9WAA-BY
	CAL	NRR*	9WAA-BZ CALIBRATION	9WAA-BZ
	50S/ALT/CAN	KAC*	9WAM-AA CALIBRATION	9WAM-AA
	FED/ALT/CAN	LUP*	9WAM-AC CALIBRATION	9WAM-AC
	CAL	SAJ*	9WAM-BF CALIBRATION	9WAM-BF

DIESEL TRUCK POWERTRAIN CONTROL MODULE (PCM) INFORMATION				
Vehicle	Application	Tear Tag (* = Any Number)	Qualifier	Calibration
7.3L F-250/350 DIESEL - MANUAL	49S WARM WTR	BDT*	9DTM-AB CALIBRATION	9DTM-A B
	49S COLD WTR	AWA*	9DTM-AG CALIBRATION	9DTM-AG
7.3L F-450/550/650 DIESEL - MANUAL	50S WARM WTR	DYK*	9DTM-AC CALIBRATION	9DTM-AC
	50S COLD WTR	CLB*	9DTM-AH CALIBRATION	9DTM-AH
7.3L F-250/350 DIESEL - MANUAL	CAL WARM WTR	ETR*	9DTM-BA CALIBRATION	9DTM-B A
	CAL COLD WTR	ZDR*	9DTM-BE CALIBRATION	9DTM-BE
7.3L F-250/350 DIESEL - AUTOMATIC	49S WARM WTR	FUT*	9DTA-AC CALIBRATION	9DTA-AC**
	49S COLD WTR	XLE*	9DTA-AJ CALIBRATION	9DTA-AJ**
7.3L F-450/550/650 DIESEL - AUTOMATIC	50S WARM WTR	HPA*	9DTA-AD CALIBRATION	9DTA-AD**
	50S COLD WTR	GLF*	9DTA-AL CALIBRATION	9DTA-AL**
7.3L F-250/350 DIESEL - AUTOMATIC	CAL WARM WTR	JBG*	9DTA-BB CALIBRATION	9DTA-BB**
	CAL COLD WTR	VCQ*	9DTA-BE CALIBRATION	9DTA-BE**
**= REPLACED BY QSF FIX CALIBRATION IN 12/98 (SERVICE ONLY) SEE LAST GROUP OF CALIBRATIONS				
7.3L E-350/450 DIESEL - AUTOMATIC	49S NON-RYDER	MLU*	9DTA-AA CALIBRATION	9DTA-AA
7.3L E-350/450 DIESEL - AUTOMATIC	49S RYDER	JRA*	9DTA-AN CALIBRATION	9DTA-A N
7.3L E-350/450 DIESEL - AUTOMATIC	CAL NON-RYDER	PTH*	9DTA-BA CALIBRATION	9DTA-BA
	CAL RYDER	TYB*	9DTA-BC CALIBRATION	9DTA-BC
7.3L F-250/350 DIESEL - MANUAL	49S WARM WTR	BIS*	9DTM-AN CALIBRATION	9DTM-A N
	49S COLD WTR	DAC*	9DTM-AP CALIBRATION	9DTM-AP
7.3L F-450/550/650 DIESEL - MANUAL	50S WARM WTR	NBD*	9DTM-AO CALIBRATION	9DTM-AO
	50S COLD WTR	VXY*	9DTM-AQ CALIBRATION	9DTM-AQ
7.3L F-250/350 DIESEL - MANUAL	CAL WARM WTR	QWL*	9DTM-BF CALIBRATION	9DTM-B F
	CAL COLD WTR	ATA*	9DTM-BG CALIBRATION	9DTM-BG
7.3L F-250/350 DIESEL - AUTOMATIC	49S WARM WTR	FIF*	9DTA-AR CALIBRATION	9DTA-AR
	49S COLD WTR	NVK*	9DTA-AU CALIBRATION	9DTA-AU
7.3L F-450/550/650 DIESEL - AUTOMATIC	50S WARM WTR	AGD*	9DTA-AS CALIBRATION	9DTA-AS
	50S COLD WTR	CNH*	9DTA-AV CALIBRATION	9DTA-AV
7.3L F-250/350 DIESEL - AUTOMATIC	CAL WARM WTR	NSU*	9DTA-BH CALIBRATION	9DTA-BH
	CAL COLD WTR	FHP*	9DTA-BK CALIBRATION	9DTA-BK
7.3L E-350/450 DIESEL - AUTOMATIC	49S NON-RYDER	SZT*	9DTA-AO CALIBRATION	9DTA-AO
	CAL NON-RYDER	CHK*	9DTA-BG CALIBRATION	9DTA-BG
7.3L F-250/350 DIESEL - AUTOMATIC	49S WARM WTR	FUT*	9DTA-AC CALIBRATION	9DTA-AC
	49S COLD WTR	XLE*	9DTA-AJ CALIBRATION	9DTA-AJ
7.3L F-450/550/650 DIESEL - AUTOMATIC	50S WARM WTR	HPA*	9DTA-AD CALIBRATION	9DTA-AD
	50S COLD WTR	GLF*	9DTA-AL CALIBRATION	9DTA-AL
7.3L F-250/350 DIESEL - AUTOMATIC	CAL WARM WTR	JBG*	9DTA-BB CALIBRATION	9DTA-BB
	CAL COLD WTR	VCQ*	9DTA-BE CALIBRATION	9DTA-BE

PASSENGER CAR POWERTRAIN CONTROL MODULE (PCM) INFORMATION				
Vehicle	Application	Tear Tag (* = Any Number)	Qualifier	Calibration
2.0L CONTOUR/MYSTIQUE	FED/ALT/CAN	HCA*	9EQA-AA OR 9EQA-AS CALIBRATION	9EQA-AA
	FED/ALT/CAN	KLP*	9EQA-AA OR 9EQA-AS CALIBRATION	9EQA-AS
	CAL	JEP*	9EQA-BA OR 9EQA-BS CALIBRATION	9EQA-BA
	CAL	MML*	9EQA-BA OR 9EQA-BS CALIBRATION	9EQA-BS
2.0L CONTOUR GFP	FED/ALT/CAN	JBB*	9EQA-AR CALIBRATION	9EQA-AR
	CAL	NWL*	9EQA-BR CALIBRATION	9EQA-BR
2.0L CONTOUR/MYSTIQUE - MANUAL	FED/ALT/CAN	EXY*	9EQM-AA CALIBRATION	9EQM-AA
	CAL	FKA*	9EQM-BA CALIBRATION	9EQM-BA
2.0L COUGAR	FED/ALT/CAN	ATL*	9EQA-AC CALIBRATION	9EQA-AC
	FED/ALT/CAN	LKH*	9EQA-AC TRANS SHIFT TSB 98-13-11	9EQA-AT
	CAL	BBG*	9EQA-BC CALIBRATION	9EQA-BC
	CAL	ERT*	9EQA-BC TRANS SHIFT TSB 98-13-11	9EQA-BT
2.0L COUGAR - MANUAL	FED/ALT/CAN	CNV*	9EQM-AC CALIBRATION	9EQM-AC
	CAL	DLE*	9EQM-BC CALIBRATION	9EQM-BC
2.0L ESCORT/TRACER SPI	MEXICO	JJJ*		7-08B
	MEXICO	NNN*		7-07C
2.0L ESCORT/TRACER SPI	FED/ALT/CAN	EZA*	8-08B CALIBRATION	8-08B
	FED/ALT/CAN	GAO*	8-08C CALIBRATION	8-08C
	CAL	HMC*	8-08P CALIBRATION	8-08P
2.0L ESCORT/TRACER SPI	FED/ALT/CAN	GLE*	9EQA-AG CALIBRATION	9EQA-AG*
	FED/ALT/CAN	ZKG*	9EQA-AH CALIBRATION	9EQA-AH*
	50S/CFF	LRS*	9EQA-BG CALIBRATION	9EQA-BG
	50S/CFF	YCC*	9EQM-BG CALIBRATION	9EQM-BG
	FED/ALT/CAN	CGG*	8-07C OR 9EQM-AG CALIBRATION	8-07C
	FED/ALT/CAN	CGW*	8-07C OR 9EQM-AG CALIBRATION	9EQM-AG
	FED/ALT/CAN	NYM*	8-04E OR 9EQA-AK CALIBRATION	8-04 E
2.0L ESCORT/TRACER ZETEC	CAL	BCI*	8-04R OR 9EQA-BK CALIBRATION	8-04R
	FED/ALT/CAN	ZZM*	8-04E OR 9EQA-AK CALIBRATION	9EQA-AK
	CAL	PLR*	8-04R OR 9EQA-BK CALIBRATION	9EQA-BK
	FED/ALT/CAN	YMX*	8-03E CALIBRATION	8-03E
	CAL	EMU*	8-03R CALIBRATION	8-03R
	FED/ALT/CAN	TSZ*	9EQM-AK CALIBRATION	9EQM-AK*
	CAL	HSB*	9EQM-BK CALIBRATION	9EQM-BK*
2.5L CONTOUR/MYSTIQUE AND COUGAR	FED/ALT/CAN	MJJ*	9LCA-AA CALIBRATION	9LCA-AA
	MEXICO	RRQ*		9LCA-AA
	FED/ALT/CAN	AZB*	9LCA-AA TRANS SHIFT TSB 98-13-11	9LCA-AS

Vehicle	Application	Tear Tag (* = Any Number)	Qualifier	Calibration	
2.5L CONTOUR/MYSTIQUE AND COUGAR - MANUAL	MEXICO	CDA*	9LCA-BA CALIBRATION	9LCA-AS	
	CAL	PLA*	9LCA-BA TRANS SHIFT	9LCA-BA	
	CAL	BLC*	9LCA-BA TRANS SHIFT TSB 98-13-11	9LCA-BS	
	FED/ALT/CAN	VLM*	9LCA-AB CALIBRATION	9LCA-AB	
	FED/ALT/CAN	FPT*	9LCA-AB TRANS SHIFT TSB 98-13-11	9LCA-AT	
	CAL	XPP*	9LCA-BB CALIBRATION	9LCA-BB	
	CAL	YEB*	9LCA-BB TRANS SHIFT TSB 98-13-11	9LCA-BT	
	MEXICO	JGJ*		9LCM-AA	
	FED/ALT/CAN	KKT*	9LCM-AA CALIBRATION	9LCM-AA	
	CAL	LTZ*	9LCM-BA CALIBRATION	9LCM-BA	
	2.5L COUGAR - MANUAL	FED/ALT/CAN	SSD*	9LCM-AB CALIBRATION	9LCM-AB
	CAL	TRW*	9LCM-BB CALIBRATION	9LCM-BB	
3.0L TAURUS/SABLE 2V	FED/ALT/CAN	RAL*	9LAA-AA CALIBRATION	9LAA-AA	
FED/ALT/CAN	SYA*	9LAA-AB CALIBRATION	9LAA-AB		
50S CFF-L/CAL	GFA*	9LAA-BN CALIBRATION	9LAA-BN		
50S CFF-L/CAL	MYD*	9LAA-BS CALIBRATION	9LAA-BS		
3.0L TAURUS/SABLE 4V	FED/ALT/CAN	VIL*	9LDA-AB CAL W/ OD CANCEL/DUAL EXH	9LDA-AB	
FED/ALT/CAN	KJA*	9LDA-AB CAL W/ OD CANCEL/DUAL EXH	9LDA-AB		
FED/ALT/CAN	EBV*	9LDA-AB CAL W/O OD CANCEL/DUAL EXH	9LDA-AB		
FED/ALT/CAN	TBZ*	9LDA-AD CAL W/ OD CANCEL/SNGL EXH	9LDA-AD		
FED/ALT/CAN	JMB*	9LDA-AD CAL W/O OD CANCEL/SNGL EXH	9LDA-AD		
CAL	WEH*	9LDA-BA CAL W/ OD CANCEL/DUAL EXH	9LDA-BA		
CAL	TQB*	9LDA-BA CAL W/O OD CANCEL/DUAL EXH	9LDA-BA		
CAL	RRU*	9LDA-BD CAL W/O OD CANCEL/SNGL EXH	9LDA-BD		
3.0L TAURUS FFV	FFV	MAB*	9LAA-AC CALIBRATION	9LAA-AC	
3.0L WINDSTAR	CAL	YEL*	9LAA-BC CALIBRATION	9LAA-BC	
FED/ALT/CAN	YEL*	9LAA-BC CALIBRATION	9LAA-BC		
3.4L TAURUS SHO	FED/ALT/CAN	EFL*	8-10D CAL WITH OD CANCEL	8-10D	
FED/ALT/CAN	AZD*	8-10D CAL WITHOUT OD CANCEL	8-10D		
CAL	GQD*	8-10M CAL WITH OD CANCEL	8-10M		
CAL	LBE*	8-10M CAL WITHOUT OD CANCEL	8-10M		
3.8L MUSTANG	FED/ALT/CAN	BEH*	9LMA-AB CALIBRATION	9LMA-AB	
CAL	CUR*	9LMA-BA CALIBRATION	9LMA-BA		
3.8L MUSTANG - MANUAL	FED/ALT/CAN	FAZ*	9LMM-AB CALIBRATION	9LMM-AB	
CAL	HGH*	9LMM-BB CALIBRATION	9LMM-BB		

Vehicle	Application	Tear Tag (* = Any Number)	Qualifier	Calibration
3.8L WINDSTAR CFF	FED/ALT/CAN CAL	LWA* KFW*	9LMA-BE CALIBRATION 9LMA-BD CALIBRATION	9LMA-BE 9LMA-BD
4.6L CROWN VICTORIA/GRAND MARQUIS	FED/ALT/CAN POLICE MEXICO FED/ALT/CAN CAL	FJB* ARA* GEA* JCA* GCA*	9VNA-AK CALIBRATION 9VNA-AA CALIBRATION 9VNA-AL CALIBRATION 9VNA-BK CALIBRATION	9VNA-AK 9VNA-AA 9VNA-AL 9VNA-BK
4.6L CONTINENTAL	CAL FED/ALT/CAN CAL	ZNA* MKB* YPT*	9VNA-BL CALIBRATION 9VVA-BC CALIBRATION	9VNA-BL 9VVA-BC
4.6L LINCOLN TOWN CAR	FED/ALT/CAN CAL CAL 50S	GDB* BBY* JFB* VDA*	9VNA-AM CALIBRATION 9VNA-BH CALIBRATION 9VNA-BM CALIBRATION 9VNA-BS CALIBRATION	9VNA-AM 9VNA-BH 9VNA-BM 9VNA-BS
4.6L LINCOLN TOWN CAR NGV	50S	TQW*		8-18L
4.6L MUSTANG GT	FED/ALT/CAN FED/ALT/CAN CAL	BTB* CHH* DER*	9VXA-AA CALIBRATION 9VXA-AB CALIBRATION 9VXA-BA CALIBRATION	9VXA-AA 9VXA-AB 9VXA-BA
4.6L MUSTANG COBRA	CAL 50S	EPM* ZMR*	9VXA-BB CALIBRATION 9VMM-AB CALIBRATION	9VXA-BB 9VMM-AB
4.6L MUSTANG GT	FED/ALT/CAN FED/ALT/CAN CAL CAL	FTL* GTG* HJX* JKU*	9VXM-AA CALIBRATION 9VXM-AB CALIBRATION 9VXM-BA CALIBRATION 9VXM-BB CALIBRATION	9VXM-AA 9VXM-AB 9VXM-BA 9VXM-BB

1999 WORLDWIDE DIRECT MARKET OPERATIONS POWERTRAIN CONTROL MODULE (PCM) INFORMATION			
Vehicle	Application	Tear Tag (* = Any Number)	Calibration
3.0L TAURUS/SABLE 2V	RUSSIA EXPO	NBA*	8LAA-FA
3.0L WINDSTAR	EURO COMM GULF COOP	ZIE* AET*	9LAA-EA 9LAA-GA
3.8L WINDSTAR	SOUTH AMERICA GULF COOP	BCB* LML*	9LMA-EA 9LMA-GA
4.6L LINCOLN TOWN CAR	GULF COOP GULF COOP	SGA* WJA	9VNA-GD 9VNA-GF

3. Refer to the following chart for Step 3 information:

OTHER APPLICABLE ARTICLES: 98-13-11

SUPERSEDES: 99-5-1

WARRANTY STATUS: INFORMATION ONLY

OASIS CODES: 206000, 490000, 499000, 501000, 504000, 590000, 690000, 698298