



NGSA
with
CAN 

PATS Programming Chart

PATs Programming Chart

Vehicle	Notes	Year (vin)	Build date	Module	Pats type	# KEYS		Starter Interrupt?	Unlim Key Prog?	Strattec	Key Blank Rotunda	Ilco/Jet			
						Min	Max								
Aviator	Lincoln (Explorer)	03 - 05	—	PCM	II	2	8	yes	yes	691259	164-R0463	NA			
Blackwood	Lincoln	02 - 03	—	HEC	II	2	8	no	no	598333	011-R0232	H72			
Continental	Lincoln	98 - 02	—	VIC	II	2	8	no	no	598333	011-R0232	H 72			
Contour	optional in V6 only	—	97 - 2/1/98	PATS	I	1	16	yes	no	NA	011-R0225	H 73			
			2/2/98 - 00	PCM	II	2	8								
Cougar	Mercury	99 - 02	—	PCM	II	2	8	yes	no	NA	011-R0235	H 73			
Crown Victoria	—	98 - 02	—	PATS	II	2	8	no	no	598333	011-R0221	H 72			
		03 - 04		PCM				yes	yes	599114	164-R0475	NA			
		05 - 07		PCM CAN											
Edge	—	07	—	ICM CAN	II	2	8	yes	yes	599114	164-R7000	NA			
Escape (Tribute)*	— except hybrid HEV	01 - 04	—	PCM	II	2	8	yes	no	691643	011-R0250	H 86			
		05 - 07		PCM CAN				no	yes	599114	164-R0475	NA			
		06 - 07													
Excursion	—	00 - 05	—	PATS	II	2	8	no	no	598333	011-R0221	H 72			
Expedition	(optional eq)	97 - 98	—	PATS	II	2	8	no	no	598333	011-R0221	H 72			
	—	99 - 02		HEC											
		03 - 04		PCM											
		05 - 06		PCM CAN											
		07		ICM CAN											
Explorer	4 door	98 - 01	—	PATS	II	2	8	no	no	598333	011-R0221	H 72			
		02 - 03		PCM											
		04 - 05		PCM CAN											
		06 - 07		ICM CAN											
Explorer Sport	2 door	—	98 - 7/23/00	PATS	II	2	8	no	no	598333	011-R0221	H 72			
		—	7/24/00 - 03	PCM				yes	yes	599114	164-R0475	NA			
(Explorer) Sport Trac	—	—	before 7/23/00	PATS	II	2	8	no	no	598333	011-R0221	H 72			
		—	7/24/00 - 05	PCM				yes	yes	599114	164-R0475	NA			
		07	—	ICM CAN											
F - 150 heritage	—	99 - 04	—	HEC	II	2	8	no	no	598333	011-R0221	H 72			
F - 150	new body	04 - 07	—	PCM CAN	II	2	8	yes	yes	599114	164-R0475	NA			
F - 150 (Harley D)	—	01 - 03	—	HEC	II	2	8	no	no	NA	164-R0461	H72			
		06 - 07		PCM CAN				yes	yes	599114		NA			
F - 250	—	99 - 01	—	HEC	II	2	8	no	no	598333	011-R0221	H 72			
Focus	—	00 - 03	—	PCM	II	2	8	yes	yes	691643	011-R0250	H 86			
		03 2.3L, 04 - 05		PCM CAN									599114	164-R0475	NA
		06 - 07													
Ford 500	—	05 - 07	—	PCM CAN	II	2	8	yes	yes	599114	164-R0475	NA			
Ford GT	—	05 - 06	—	PATS	II	2	8	no	no	598333		H72			
Freestar	—	04 - 05	—	PCM	II	2	8	yes	yes	599114	164-R0475	NA			
		06 - 07		PCM CAN											
Freestyle	—	05 - 07	—	PCM CAN	II	2	8	yes	yes	599114	164-R0475	NA			
Fusion	—	06 - 07	—	ICM CAN	II	2	8	yes	yes	599114	164-R7000	NA			
Grand Marquis	Mercury	98 - 02	—	PATS	II	2	8	no	no	598333	011-R0222	H 72			
		03 - 04		PCM				yes	yes	599179	164-R0455	NA			
		05 - 07		PCM CAN											
LS	Lincoln	00 - 02	—	ICM	II	2	8	yes	no	691643	164-R0458	H 74			
		03 - 06						yes	691259	164-R0463	NA				

Vehicle	Notes	Year (vin)	Build date	Module	Pats type	# KEYS		Starter Interrupt?	Unlim Key Prog?	Strattec	Key Blank									
						Min	Max				Rotunda	Ilco/Jet								
Mariner	Mercury	05 - 07	—	PCM CAN	II	2	8	yes	yes	599179	164-R0455	NA								
Mark LT	Lincoln black F 150	06 - 07	—	PCM CAN	II	2	8	yes	yes	691259	164-R0463	NA								
Mark VIII	Lincoln	97 - 98	—	SCIL	I	2	16	yes	no	691641	164-R0467	NA								
Milan	Mercury	06 - 07	—	ICM CAN	II	2	8	yes	yes	599179	164-R7001	NA								
MKX	Lincoln	07	—	ICM CAN	II	2	8	yes	yes	691259	164-R7002	NA								
MKZ	Lincoln	07	—	ICM CAN	II	2	8	yes	yes	691259	164-R7002	NA								
Montego	Mercury	05 - 07	—	PCM CAN	II	2	8	yes	yes	599179	164-R0455	NA								
Monterey	Mercury	04 - 05	—	PCM	II	2	8	yes	yes	599179	164-R0455	NA								
		06 - 07		PCM CAN																
Mountaineer	Mercury 4 door	98 - 01	—	PATS	II	2	8	no	no	598333	011-R0222	H 72								
		02 - 03		PCM				yes	yes	599179	164-R0455	NA								
		04 - 05		PCM CAN																
		06 - 07		ICM CAN																
Mustang	(optional eq)	96	—	PATS	I	1	16	no	no	NA	011-R0225	H 73								
	—	96 - 97								II	2	8	yes	yes	599114	164-R0475	NA			
		98																		
		99 - 04		HEC																
05 - 07	PCM CAN																			
Mystique	Mercury	—	97 - 2/1/98	PATS	I	1	16	yes	no	NA	011-R0235	H 73								
	optional in V6 only		2/2/98 - 00	PCM	II	2	8													
Navigator	Lincoln	98	—	PATS	II	2	8	yes	yes	691259	164-R0463	NA								
		99 - 02		HEC																
		03 - 04		PCM																
		05 - 06		PCM CAN																
		07		ICM CAN																
Ranger (B - Series)*	3L & 4L only	99 - 00	—	PATS	II	2	8	yes	yes	599114	164-R0454	NA								
	—	01 - 04		PCM																
		06		PCM CAN																
		07		ICM CAN																
Sable	(optional eq)	96 - 97	—	PATS	II	2	8	yes	yes	599179	164-R0455	NA								
	Mercury	98 - 99		I									1	16	no	no	598333	011-R0222	H 72	
		00 - 03																		PCM
		04 - 05																		PCM CAN
Taurus	(optional eq)	96 - 97	—	PATS	II	2	8	yes	yes	599114	164-R0475	NA								
	—	98 - 99		I									1	16	no	no	598333	011-R0221	H 72	
		00 - 03																		PCM
		04 - 06																		PCM CAN
T-Bird Roadster	—	02	—	ICM	II	2	8	yes	yes	691643	164-R0460	H 74								
		03 - 05		PCM CAN						599114	164-R0475	NA								
		06																		
Town Car	Lincoln	98 - 02	—	HEC	II	2	8	no	no	598333	011-R0236	H 72								
		03 - 04		PCM				yes	yes	691259	164-R0463	NA								
		05 - 07		PCM CAN																
Windstar	—	99 - 00	—	ICM	II	2	8	yes	no	598333	011-R0221	H 72								
		01 - 03		PCM						599114	164-R0475	NA								
Zephyr	Lincoln	06	—	ICM CAN	II	2	8	yes	yes	691259	164-R7002	NA								

*Mazda

Using the PATS Programming Chart



- VEHICLE/YEAR:** The model and manufacture date of the vehicle
- Compare tenth digit of the vehicle's VIN to the **VIN Conversion Chart** to determine model year
- PATS TYPE:** The PATS system type for the vehicle
- PATS type I uses IGNITION KEY CODE ERASE option to program
 - PATS type II uses ENTER SECURITY ACCESS option to program
- # KEYS MIN:** The minimum number of keys that must be programmed after all keys are erased
- # KEYS MAX:** The maximum number of keys that can be stored in the module (except in unlimited key programming)
- MODULE:** The module that you must select to access the PATS functionality
- STARTER INTERRUPT:** The starter will not engage with an unprogrammed key if the vehicle is equipped with the starter interrupt feature
- UNLIMITED KEY PROGRAMMING:** If this feature is enabled (by NGS), the **# KEYS MAX** is not limited to 8
- KEY BLANKS:** Only use Ford qualified keys for PATS equipped vehicles:
- Ford Rotunda
 - Strattec
 - Ilco
 - Curtis
 - Huf
 - Valeo
- For valet key blanks, please refer to the Rotunda catalog.

Testing

Note: When testing CAN vehicles, make sure to use the CAN VIM and software.

- Locate the vehicle model and year in the chart.
- Determine the PATS system type for the vehicle you are testing
- Select a key programming procedure based on your vehicle's system type (certain procedures are limited to specific system types).
- Follow the instructions to create the keys you need
 - Note starter interrupt and unlimited key programming information before programming.

Vin Conversion Chart

VIN (10 th digit)	Model Year	VIN (10 th digit)	Model Year
8	2008	S	1995
7	2007	R	1994
6	2006	R	1994
5	2005	P	1993
4	2004	N	1992
3	2003	M	1991
2	2002	L	1990
1	2001	K	1989
Y	2000	J	1988
X	1999	H	1987
W	1998	G	1986
V	1997	F	1985
T	1996	E	1984