

LOCKS—REPLACE AND/OR REPAIR ANY LOCK COMPONENT—AVAILABILITY OF INDIVIDUAL LOCKS	Article No. 99-24-2
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FORD: 1996-2000 CROWN VICTORIA, MUSTANG, TAURUS
1997 THUNDERBIRD
1996 BRONCO, F-150-350 SERIES
1996-1997 AEROSTAR
1996-2000 ECONOLINE, EXPLORER, RANGER
1997 F-250 HD, F-350
1997-2000 EXPEDITION, F-150, F-250 LD
1998-2000 WINDSTAR
1999-2000 SUPER DUTY F SERIES
1996-2000 F & B SERIES

LINCOLN: 1996-2000 TOWN CAR
1997-1998 MARK VIII
1997-2000 CONTINENTAL
1998-2000 NAVIGATOR

MERCURY: 1996-2000 GRAND MARQUIS, SABLE
1997 COUGAR
1997-2000 MOUNTAINEER

This TSB article is being republished in its entirety to include vehicles, update model years, and include a Lock Lever Kit Application Chart.

ISSUE

The current door, decklid, ignition, and stowage locks cannot be serviced individually. Current lock repair practice is to replace the entire lockset (-22050-) when one (1) or more locks must be replaced. The release of this TSB and associated parts will allow replacement of any individual malfunctioning lock (i.e., door lock, ignition lock, decklid lock, etc.) instead of replacing the entire lockset. This TSB only applies to the 8-bit locks introduced in 1996. The 10-bit lock is not affected.

ACTION

Lock service packages have been released that contain all the necessary components to re-pin a new lock cylinder to the customer's current key code. It allows the service community to replace the individual lock cylinder on a given vehicle rather than replace the entire lockset. For removal and installation procedures for all lock cylinders, refer to the following Service Procedure for details.

NOTE

MOST MODELS BUILT DURING THE 1996 MODEL YEAR HAVE BOTH THE 10-BIT AND 8-BIT LOCKS ON THEM. CHECK THE BUILD DATE OF THE VEHICLE TO ENSURE THE USE OF THE CORRECT STYLE OF LOCK WHEN SERVICING ANY LOCK ON A 1996 VEHICLE. THE 10-BIT LOCKS ARE NOT AFFECTED BY THIS TSB AND MUST BE SERVICED BY REPLACING THE COMPLETE LOCKSET. THE TWO STYLES ARE NOT INTERCHANGEABLE.

SERVICE PROCEDURE

- For ignition lock concerns, see appropriate model/year Service Manual, Section 11-04 or Workshop Manual, Section 211-04.
- Other lock concerns, see appropriate model/year Service Manual, Section 01-14A or Workshop Manual, Section 501-14.

Obtain the lock service package for the vehicle being serviced by referring to the Part Number And Usage Chart for correct application.

HOW TO READ A KEY CODE

Determine the matching key cut depth at each key station (any of the following three methods may be used to determine the key cut depth at each key station).

- Use the OEM key code provided with the vehicle and look up the cut pattern in the key code table (the selling dealer should have the key code or the customer may be able to provide it). A key code table comes with the Rotunda Key Cutter (011-00215).
- Use a "key decoder" to determine each cut height. A decoder may be included with the Rotunda Key Cutter or can be ordered separately through Rotunda (Decoder Part Number 011-RMT61). Equivalent decoders are commonly available through the locksmith industry. A key decoder is a plate with an elongated slot corresponding to the different key cut heights.
- Using the customer's key, measure the key cut depth at each key station using Figure 2 of the instruction sheet contained within each lock service package.

One of the steps in building a new lock is to insert the key and verify the tumblers are flush to the cylinder. This step is clearly spelled out in the instruction sheet. This will ensure that the lock is rebuilt properly before it's installed in the vehicle.

Each lock service package will include a unique detailed instruction sheet on how to re-pin that individual lock cylinder. If further assistance is needed, call Ford Motor Company toll-free at (800) 826-4694 (direct dial at (313) 248-4200) between 8:00AM and 4:30PM ET (all U.S. and Canadian dealers only).

For technical questions regarding the lock service pack re-pinning process, call Ford Interior Systems at (313) 337-3041.

A special service tool is required to properly install (crimp) the round dust covers on the door lock cylinder. This special service tool has been provided through a special mailing to all North American servicing dealers. If additional tools are required, contact Rotunda Tools at (800) 768-8632 (direct dial at (810) 574-2332, ask for OTC order desk) to purchase a new tool (501-051A).

NOTE

THE SPECIAL SERVICE TOOL (501-051A) IS NOW COMPATIBLE WITH TAURUS/SABLE DOOR LOCK CYLINDER ROUND DUST COVERS.

A Lock Lever Kit (XF1Z-5421970-AA) containing all the different levels of lock levers needed to service any vehicle is also required to complete this repair. This kit contains levers to service numerous vehicles. For pricing individual levers after each use, enter kit part number on the claim form. This will automatically generate a unit lever price. For an application chart that lists the usage of all levers included in the kit, refer to Figure 1.

NOTE

THE EXISTING LEVER KIT (F8DZ-5421970-AA) (STRATTEC 703253AD1) HAS BEEN SUPERSEDED BY LEVER KIT (XF1Z-5421970-AA) (STRATTEC 703253AE1). THE EXISTING LEVER KIT IS STILL GOOD AND CAN BE UPDATED WITH THE NEW PARTS. TO ORDER THE UPDATE KITS, CONTACT STRATTEC CORPORATION AT (414) 247-3333 AND ORDER THE UPDATE KIT (UPDATE KIT 599527AA1 WHICH INCLUDES 5 LEVERS (STRATTEC 599467) AND A LABEL FOR THE BOX) AND THE UPDATE E-CLIP KIT (UPDATE KIT 599528AA1 WHICH INCLUDES 100 E-CLIPS (STRATTEC 94566) AND A LABEL FOR THE BOX) AND ADD THEM TO THEIR EXISTING LEVER KIT (F8DZ-5421970-AA) (STRATTEC 703253) OR ORDER THE NEW LEVER KIT (XF1Z-5421970-AA) (STRATTEC 703253AE) WHICH INCLUDES THE NEW PARTS AND LABELS. THE SEPARATE UPDATE KITS ARE APPROXIMATELY \$30.00 PER KIT.

NOTE

SCRAP LOCK PINNING KITS AND SERVICE PARTS WITH A 1996 AND PRIOR NUMBER. THESE KITS AND PARTS ARE OBSOLETE. A NEW LOCK LEVER KIT (XF1Z-5421970-AA) IS NOW AVAILABLE CONTAINING ALL THE DIFFERENT LEVELS OF LOCK LEVERS NEEDED TO SERVICE ANY VEHICLE. THIS KIT IS REQUIRED TO COMPLETE THIS REPAIR.

1998 Windstar front door locks are not serviceable with the lock service packages. If Windstar front door locks need servicing, the entire lockset will have to be replaced. All other Windstar locks (sliding door, liftgate and ignition) can be serviced using the lock service packages.

NOTE

1999 WINDSTAR LOCKS ARE ALL SERVICEABLE WITH LOCK SERVICE PACKAGES.

LOCK COMPONENT SERVICE PART APPLICATION				
Vehicle	Ignition	Door	Decklid	Glove Compartment
Continental 1997 (without Anti-Theft)	F85Z-11582-AA	F8OZ-5421990-AA	F7OZ-5443262-AA	F8DZ-5406082-AA
Continental 1997 (with Anti-Theft)	F85Z-11582-AA	F8OZ-5421990-AA	F7OZ-5443262-BA	F8DZ-5406082-AA
Continental 1998 (without Anti-Theft)	F85Z-11582-AA	F8OZ-5421990-AA	F8OZ-5443262-AA	F8DZ-5406082-AA
Continental 1998 (with Anti-Theft)	F85Z-11582-AA	F8OZ-5421990-AA	F8OZ-5443262-BA	F8DZ-5406082-AA
Crown Victoria 1996-1997 (LH)	F85Z-11582-AA	F8AZ-5421991-AA	F8AZ-5443262-AA	F8DZ-5406082-AA
Crown Victoria 1996-1997 (RH)	F85Z-11582-AA	F8AZ-5421990-AA	F8AZ-5443262-AA	F8DZ-5406082-AA
Crown Victoria 1998-2000 (LH)	F85Z-11582-AA	F8AZ-5421991-AA	F8MZ-5443262-BB	F8DZ-5406082-AA
Crown Victoria 1998-2000 (RH)	F85Z-11582-AA	F8AZ-5421990-AA	F8MZ-5443262-BB	F8DZ-5406082-AA
Grand Marquis 1996-1997 (LH)	F85Z-11582-AA	F8AZ-5421991-AA	F8MZ-5443262-CA	F8DZ-5406082-AA
Grand Marquis 1996-1997 (RH)	F85Z-11582-AA	F8AZ-5421990-AA	F8MZ-5443262-CA	F8DZ-5406082-AA
Grand Marquis 1998-2000 (LH)	F85Z-11582-AA	F8AZ-5421991-AA	F8MZ-5443262-BB	F8DZ-5406082-AA
Grand Marquis 1998-2000 (RH)	F85Z-11582-AA	F8AZ-5421990-AA	F8MZ-5443262-BB	F8DZ-5406082-AA
Mark VIII 1997-1998	F8LZ-11582-BB	F8LZ-6321990-AA	F8LZ-6343262-AA	F8DZ-5406082-AA
Mustang 1996-1998	F85Z-11582-AA	F8ZZ-6321990-AA	F8ZZ-6343262-AA	F8DZ-5406082-AA
Mustang 1996-1998 (Anti-Theft)	F85Z-11582-AA	F8ZZ-6321990-AA	F8ZZ-6343262-BA	F8DZ-5406082-AA
Mustang 1999-2000	F85Z-11582-AA	F8ZZ-6321990-AA	XR3Z-6343262-BA	N/A
Taurus/Sable 1996-2000 (without Anti-Theft)	F85Z-11582-AA	F8DZ-5421990-AA	F8DZ-5443262-BB	F8DZ-5406082-AA
Taurus 1996-2000 (Anti-Theft)	F85Z-11582-AA	F8DZ-5421990-AA	F8DZ-5443262-AA	F8DZ-5406082-AA
Sable 1996-2000 (Anti-Theft)	F85Z-11582-AA	F8DZ-5421990-AA	F8DZ-5443262-EA	F8DZ-5406082-AA
Taurus/Sable Wagon 1996-1998	F85Z-11582-AA	F8DZ-5421990-AA	F8DZ-7443432-BA	F8DZ-5406082-AA
Thunderbird/Cougar 1997	F85Z-11582-AA	F7SZ-6321990-CA	F7SZ-6343262-CA	F8DZ-5406082-AA
Thunderbird/Cougar 1997 (Anti-Theft)	F85Z-11582-AA	F7SZ-6321990-CA	F7SZ-6343262-DA	F8DZ-5406082-AA
Town Car 1996-1997	F85Z-11582-AA	F8AZ-5421990-AA	F8VZ-5443262-BA	F8DZ-5406082-AA
Town Car 1998-2000	F85Z-11582-AA	F85Z-1521990-BA	F8VZ-5443262-CA	F8DZ-5406082-AA
Aerostar 1996-1997	F85Z-11582-AA	XC2Z-1521990-AA	N/A	F8DZ-5406082-AA
Bronco 1996	F85Z-11582-AA	F87Z-7821990-BA	N/A	N/A
Econoline 1996-2000	F85Z-11582-AA	XC2Z-1521990-AA	N/A	N/A
Expedition 1997-2000	F85Z-11582-AA	F85Z-1521990-BA	N/A	N/A
Explorer 1996-1997	F85Z-11582-AA	XL2Z-7821990-AA	N/A	N/A
Explorer/Mountaineer 1998-2000	F85Z-11582-AA	XL2Z-7821990-AA	N/A	N/A
F-Series (Full Size) 1996	F85Z-11582-AA	XC2Z-1521990-AA	N/A	N/A
F-Series (700-800-900) 1996-2000	F9HZ-11582-AA	XC2Z-1521990-AA	N/A	N/A
F-150/250 LD 1997-2000	F85Z-11582-AA	F85Z-1521990-BA	N/A	N/A
Mountaineer 1997	F85Z-11582-AA	XL2Z-7821990-AA	N/A	N/A
Navigator 1998-2000	F85Z-11582-AA	F85Z-1521990-BA	N/A	N/A
Ranger 1996-2000	F85Z-11582-AA	F87Z-1021990-AA	N/A	N/A
Super Duty F-Series 1999-2000	F85Z-11582-AA	F85Z-1521990-BA	N/A	N/A
Windstar 1998-2000	F85Z-11582-AA	N/A	N/A	F8DZ-5406082-AA
Windstar 1998-2000 (Anti-Theft)	F85Z-11582-AA	N/A	N/A	F8DZ-5406082-AA

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LOCK COMPONENT SERVICE PART APPLICATION (Continued)			
Vehicle	Tailgate/Liftgate/Rear	Decklid Remote	Sliding Door
Continental 1997	N/A	F8VZ-54432A38-AA	N/A
Continental 1997 (Anti-Theft)	N/A	F8VZ-54432A38-AA	N/A
Continental 1998-2000	N/A	F8VZ-54432A38-AA	N/A
Crown Victoria 1996-1997 (LH)	N/A	F8VZ-54432A38-AA	N/A
Crown Victoria 1996-1997 (RH)	N/A	F8VZ-54432A38-AA	N/A
Crown Victoria 1998-2000 (LH)	N/A	N/A	N/A
Crown Victoria 1998-2000 (RH)	N/A	N/A	N/A
Grand Marquis 1996-1997 (LH)	N/A	F8VZ-54432A38-AA	N/A
Grand Marquis 1996-1997 (RH)	N/A	F8VZ-54432A38-AA	N/A
Grand Marquis 1998-2000 (LH)	N/A	N/A	N/A
Grand Marquis 1998-2000 (RH)	N/A	N/A	N/A
Mark VIII 1997-1998	N/A	F8LZ-63432A38- AAA - Ivory AAB - Prairie Tan AAC - Ebony AAD - Light Graphite AAE - Midnight Black	N/A
Mustang 1996-2000	N/A	N/A	N/A
Mustang 1996-1998 (Anti-Theft)	N/A	N/A	N/A
Taurus/Sable 1996-2000	N/A	N/A	N/A
Taurus/Sable 1996-2000 (Anti-Theft)	N/A	N/A	N/A
Taurus/Sable Wagon 1996-2000	F8DZ-7443432-BA - Liftgate F8DZ-7406082-AA - Storage Compartment	N/A	N/A
Thunderbird/Cougar 1997	N/A	N/A	N/A
Thunderbird/Cougar 1997 (Anti-Theft)	N/A	N/A	N/A
Town Car 1996-1997	N/A	F8VZ-54432A38-AA	N/A
Town Car 1998-2000	N/A	F8VZ-54432A38-AA	N/A
Aerostar 1996-1997	F87Z-7821990-BA	N/A	F87Z-7821990-BA
Bronco 1996	F6TZ-9821984-AA	N/A	N/A
Econoline 1996-2000	F87Z-7821990-BA	N/A	F87Z-7821990-BA
Expedition 1997-2000	F87Z-7821990-BA	N/A	N/A
Explorer 1996-1997	F87Z-7821990-BA	N/A	N/A
Explorer/Mountaineer 1998-2000	F87Z-7843432-CA	N/A	N/A
F-Series (Full Size) 1996	F87Z-7821990-BA	N/A	N/A
F-Series (700-800-900) 1996-2000	N/A	N/A	N/A
F-150/250 LD 1997-2000	F85Z-1521990-BA	N/A	N/A
Mountaineer 1997	F87Z-7821990-BA	N/A	N/A
Navigator 1998-2000	F87Z-7821990-BA	N/A	N/A
Ranger 1996-2000	N/A	N/A	N/A
Super Duty F-Series 1999-2000	F85Z-1521990-BA	N/A	N/A
Windstar 1998-2000	XC2Z-1521990-AA	N/A	F87Z-7821990-BA
Windstar 1998-2000 (Anti-Theft)	XC2Z-1521990-AA	N/A	F88Z-1621990-AA

OTHER APPLICABLE ARTICLES: NONE

SUPERSEDES: 98-23-24

WARRANTY STATUS: INFORMATION ONLY

OASIS CODES: 112000

LEVER KIT APPLICATION CHART – XF1Z-5421970-AA (STRATTEC #703253AE1)

PAWL	APPLICATION
597682	1996-2000 Explorer
Left Hand Door	1996 F-Series Pickup
	1996-2000 Ranger/Mazda Pickup
	1997 Thunderbird/Cougar
	1996-2000 F-Series New Body Full Size
	1997-2000 Continental
	1997-2000 Mountaineer
	1997-2000 Expedition
	1998-2000 Navigator
	1996-2000 Mustang
	1998-2000 Windstar
	1996-2000 Crown Victoria/Grand Marquis
	1996-2000 Econoline
	1996-2000 Town Car
	1996-1997 Aerostar
	2000 Excursion

PAWL	APPLICATION
597683	1996-2000 Explorer
Right Hand Door	1996 F-Series Pickup
	1996-2000 Ranger/Mazda Pickup
	1997 Thunderbird/Cougar
	1996-2000 F-Series New Body Full Size
	1997-2000 Continental
	1997-2000 Mountaineer
	1997-2000 Expedition
	1998-2000 Navigator
	1996-2000 Mustang
	1998-2000 Windstar
	1996-2000 Crown Victoria/Grand Marquis
	1996-2000 Econoline
	1996-2000 Town Car
	1996-1997 Aerostar
	2000 Excursion

PAWL	APPLICATION
597625	1996-2000 Taurus/Sable
Left Hand Door	1996-2000 Taurus/Sable Wagon
	1996-1/2 F-Series Bronco
	1996-1/2-2000 F-Series Medium Duty
	1999-2000 Villager

PAWL	APPLICATION
597624	1996-2000 Taurus/Sable
Right Hand Door	1996-2000 Taurus/Sable Wagon
	1996-1/2 F-Series Bronco
	1996-1/2-2000 F-Series Medium Duty
	1999-2000 Villager

PAWL	APPLICATION
597867	1998-2000 Navigator
Deck/Tailgate/Rear Door	2000 Excursion

PAWL	APPLICATION
599467	1999 Villager
Liftgate Door	

PAWL	APPLICATION
597874	1997-1998 Mark VIII
Right Hand Door	

PAWL	APPLICATION
599364	1998 Windstar
Slider Door	

PAWL	APPLICATION
598172	1996-1998 Villager
Tailgate	

PAWL/ROD CLIP	APPLICATION
598170	1997 F-Series Bronco
Left Hand Door	1996-1998 Villager
	1998 Expedition

PAWL/ROD CLIP	APPLICATION
598169	1997 F-Series Bronco
Right Hand Door	1996-1998 Villager

PAWL	APPLICATION
598171	1996-1998 Villager
Side Door	

LEVER	APPLICATION
322347	1996-2000 F-Series New Body
Tailgate	Full Size

PAWL	APPLICATION
RETAINER CLIP	All Models
94978	

PAWL	APPLICATION
RETAINER CLIP	1999 Villager
94566	

TB-5869-A

Figure 1 - Article 99-24-2