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Locks - Replace And/Or Repair Any Lock Component - Availability Of Individual Locks	Article No. 98-23-24
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FORD:

1996-98 CROWN VICTORIA, MUSTANG, TAURUS
1997 THUNDERBIRD

LINCOLN-MERCURY:

1996-98 GRAND MARQUIS, SABLE, TOWN CAR
1997 COUGAR
1997-98 CONTINENTAL, MARK VIII

LIGHT TRUCK:

1996 BRONCO, F-150-350 SERIES
1996-97 AEROSTAR
1996-98 ECONOLINE, EXPLORER, RANGER
1997 F-250 HD, F-350
1997-98 EXPEDITION, F-150, F-250 LD, MOUNTAINEER
1998 NAVIGATOR, WINDSTAR
1999 SUPER DUTY F SERIES

MEDIUM/HEAVY TRUCK:

1996-98 F & B SERIES

This TSB article is being republished in its entirety to correct a Part Number and to update the Service Procedure.

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:

Engineering has released lock service packages 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.

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 customers 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, please call Ford Motor Company toll-free at (800) 826-4694 (direct dial at (313) 248-4200) between 8:00AM and 6:00PM EST (All U.S. and Canadian Dealers Only).

For questions regarding the Lock Service Pack Re-Pinning process, please call Ford AVT Interior Systems at (313) 337-3041.

A special service tool is required to properly install the round dust covers (crimp) 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, please contact Rotunda Tools at (800) 768-8632 (direct dial at (810) 574-2332, ask for OTC order desk) to purchase a new tool (501-051).

NOTE:

THE SPECIAL SERVICE TOOL IS NOT COMPATIBLE WITH TAURUS/SABLE DOOR LOCK CYLINDER ROUND DUST COVERS. A NEW TOOL IS BEING DESIGNED. IN THE INTERIM, USE COMMON HAND TOOLS TO CRIMP THE DUST COVER ONTO THE DOOR LOCK CYLINDER.

A Lock Lever Kit (F8DZ-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.

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 (F8DZ-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 WILL ALL BE SERVICEABLE WITH LOCK SERVICE PACKAGES.

Labor operation descriptions for Lock Cylinder Vehicle Labor Operation Cross Reference Chart (car and truck):

- 11582: Ignition Lock Remove, Re-pin And Install
- 21990L (Left), 21990R (Right), 21990S (Sliding), 21990B (Rear), and 21990D (Side Double): Door Lock Remove, Re-pin And Install. Includes Time To Remove And Install Door Trim Panel(s). Do Not Use With Operation 23943A (Unique By Vehicle Line)
- 43262: Liftgate, Tailgate, Or Decklid Lock Cylinder - Remove, Re-pin And Install. Includes Time To Remove And Install Trim Panel(s).
- 06082: Glove Compartment Or Console Lock Cylinder - Remove, Re-pin And Install.

Vehicle line identifiers for Car - Lock Cylinder Vehicle Labor Operation Cross Reference Chart:

- A = Mustang
- B = Taurus Sedan
- C = Sable Sedan
- D = Taurus/Sable Wagon
- E = Thunderbird/Cougar
- F = Crown Victoria/Grand Marquis
- G = 1997 Continental
- H = 1998 Continental
- I = Mark VIII
- J = 1996-97 Town Car
- K = 1998 Town Car

Vehicle line identifiers for Truck - Lock Cylinder Vehicle Labor Operation Cross Reference Chart:

- AB = Windstar
- AC = Aerostar 4X2, 4X4
- AD = Ranger 4X2, 4X4
- AE = 1996-97 Explorer 4X2, 4X4 and 1997 Mountaineer 4X2, 4X4
- AF = 1998 Explorer/Mountaineer 4X2, 4X4
- AG = Bronco
- AH = Econoline

LOCK COMPONENT SERVICE PART APPLICATION

Vehicle	Ignition	Door	Decklid	Glove Compartment
CONTINENTAL 97	F85Z-11582-AA	F80Z-5421990-AA	F7SZ-6343262-CA	F8DZ-5406082-A A
CONTINENTAL 97 Anti-Theft	F85Z-11582-AA	F80Z-5421990-AA	F7SZ-6343262-DA	F8DZ-5406082-AA
CONTINENTAL 98	F85Z-11582-AA	F80Z-5421990-AA	F80Z-5443262-AA	F8DZ-5406082-A A
CROWN VICTORIA 96-97 LH	F85Z-11582-AA	F8AZ-5421991-AA	F8AZ-5443262-AA	F8DZ-5406082-AA
CROWN VICTORIA 96-97 RH	F85Z-11582-AA	F8AZ-5421990-AA	F8AZ-5443262-AA	F8DZ-5406082-AA
CROWN VICTORIA 98 LH	F85Z-11582-AA	F8AZ-5421991-AA	F8MZ-5443262-BB	F8DZ-5406082-AA
CROWN VICTORIA 98 RH	F85Z-11582-AA	F8AZ-5421990-AA	F8MZ-5443262-BB	F8DZ-5406082-AA
GRAND MARQUIS 96-97 LH	F85Z-11582-AA	F8AZ-5421991-AA	F8MZ-5443262-CA	F8DZ-5406082-AA
GRAND MARQUIS 96-97 RH	F85Z-11582-AA	F8AZ-5421990-AA	F8MZ-5443262-CA	F8DZ-5406082-AA
GRAND MARQUIS 98 LH	F85Z-11582-AA	F8AZ-5421991-AA	F8MZ-5443262-BB	F8DZ-5406082-AA
GRAND MARQUIS 98 RH	F85Z-11582-AA	F8AZ-5421990-AA	F8MZ-5443262-BB	F8DZ-5406082-AA
MARK VIII 97-98	F8LZ-11582-BB	F8LZ-6321990-AA	F8LZ-6343262-AA	F8DZ-5406082-AA
MUSTANG 96-98	F85Z-11582-AA	F8ZZ-6321990-AA	F8ZZ-6343262-AA	F8DZ-5406082-AA
MUSTANG 96-98 Anti-Theft	F85Z-11582-AA	F8ZZ-6321990-AA	F8ZZ-6343262-BA	F8DZ-5406082-AA
THUNDERBIRD/COUGAR 97	F85Z-11582-AA	F7SZ-6321990-CA	F7SZ-6343262-CA	F8DZ-5406082-AA
THUNDERBIRD/COUGAR 97 Anti-Theft	F85Z-11582-AA	F7SZ-6321990-CA	F7SZ-6343262-DA	F8DZ-5406082-AA
TAURUS/SABLE 96-98	F85Z-11582-AA	F8DZ-5421990-AA	F8DZ-5443262-BB	F8DZ-5406082-AA
TAURUS/SABLE 96-98 Anti-Theft	F85Z-11582-AA	F8DZ-5421990-AA	F8DZ-5443262-AA	F8DZ-5406082-AA
TAURUS/SABLE WAGON 96-98	F85Z-11582-AA	F8DZ-5421990-AA	F8DZ-7443432-BA	F8DZ-5406082-AA
TOWN CAR 96-97	F85Z-11582-AA	F8AZ-5421990-AA	F8VZ-5443262-BA	F8DZ-5406082-A A
TOWN CAR 98	F85Z-11582-AA	F85Z-1521990-BA	F8VZ-5443262-CA	F8DZ-5406082-AA
AEROSTAR 96-97	F85Z-11582-AA	F87Z-7821990-BA	N/A	F8DZ-5406082-AA
BRONCO 96	F85Z-11582-AA	F87Z-7821990-BA	N/A	N/A
ECONOLINE 96-98	F85Z-11582-AA	F87Z-7821990-BA	N/A	N/A
EXPEDITION 97-98	F85Z-11582-AA	F85Z-1521990-BA	N/A	N/A
RANGER 96-98	F85Z-11582-AA	F87Z-7821990-BA	N/A	N/A
EXPLORER 96-97	F85Z-11582-AA	F87Z-7821990-BA	N/A	N/A
MOUNTAINEER 97	F85Z-11582-AA	F87Z-7821990-BA	N/A	N/A
EXPLORER/MOUNTAINEER 98	F85Z-11582-AA	F87Z-7821990-BA	N/A	N/A
F-SERIES FULL-SIZE 96	F85Z-11582-AA	F87Z-7821990-BA	N/A	N/A
F-SERIES (700-800-900) 96-98	F9HZ-11582-AA	F87Z-7821990-BA	N/A	N/A
F-150/250 LD 97-98	F85Z-11582-AA	F85Z-1521990-BA	N/A	N/A
SUPER DUTY F SERIES 99	F85Z-11582-AA	F85Z-1521990-BA	N/A	N/A
NAVIGATOR 98	F85Z-11582-AA	F85Z-1521990-BA	N/A	N/A
WINDSTAR 98	F85Z-11582-AA	N/A	N/A	F8DZ-5406082-AA
WINDSTAR 98 Anti-Theft	F85Z-11582-AA	N/A	N/A	F8DZ-5406082-AA

LOCK COMPONENT SERVICE PART APPLICATION (Continued)

Vehicle	Tailgate/Liftgate/Rear	Decklid Remote	Sliding Door
CONTINENTAL 97	N/A	F8VZ-54432A38-AA	N/A
CONTINENTAL 97 Anti-Theft	N/A	F8VZ-54432A38-AA	N/A
CONTINENTAL 98	N/A	F8VZ-54432A38-AA	N/A
CROWN VICTORIA 96-97 LH	N/A	F8VZ-54432A38-AA	N/A
CROWN VICTORIA 96-97 RH	N/A	F8VZ-54432A38-AA	N/A
CROWN VICTORIA 98 LH	N/A	N/A	N/A
CROWN VICTORIA 98 RH	N/A	N/A	N/A
GRAND MARQUIS 96-97 LH	N/A	F8VZ-54432A38-AA	N/A
GRAND MARQUIS 96-97 RH	N/A	F8VZ-54432A38-AA	N/A
GRAND MARQUIS 98 LH	N/A	N/A	N/A
GRAND MARQUIS 98 RH	N/A	N/A	N/A
MARK VIII 97-98	N/A	F8LZ-63432A38- AAA - Ivory AAB - Prairie Tan AAC - Ebony AAD - Light Graphite AAE - Midnight Black	N/A
MUSTANG 96-98	N/A	N/A	N/A
MUSTANG 96-98 Anti-Theft	N/A	N/A	N/A
THUNDERBIRD/COUGAR 97	N/A	N/A	N/A
THUNDERBIRD/COUGAR 97 Anti-Theft	N/A	N/A	N/A
TAURUS/SABLE 96-98	N/A	N/A	N/A
TAURUS/SABLE 96-98 Anti-Theft	N/A	N/A	N/A
TAURUS/SABLE WAGON 96-98	F8DZ-7443432-BA - Liftgate F8DZ-7406082-AA - Storage Compartment	N/A	N/A
TOWN CAR 96-97	N/A	F8VZ-54432A38-AA	N/A
TOWN CAR 98	N/A	F8VZ-54432A38-AA	N/A
AEROSTAR 96-97	F87Z-7821990-BA	N/A	F87Z-7821990-BA
BRONCO 96	F6TZ-9821984-AA	N/A	N/A
ECONOLINE 96-98	F87Z-7821990-BA	N/A	F87Z-7821990-BA
EXPEDITION 97-98	F87Z-7821990-BA	N/A	N/A
RANGER 96-98	N/A	N/A	N/A
EXPLORER 96-97	F87Z-7821990-BA	N/A	N/A
MOUNTAINEER 97	F87Z-7821990-BA	N/A	N/A
EXPLORER/MOUNTAINEER 98	F87Z-7843432-CA	N/A	N/A
F-SERIES FULL-SIZE 96	F87Z-7821990-BA	N/A	N/A
F-SERIES (700-800-900) 96-98	N/A	N/A	N/A
F-150/250 LD 97-98	F85Z-1521990-BA	N/A	N/A
SUPER DUTY F SERIES 99	F85Z-1521990-BA	N/A	N/A
NAVIGATOR 98	F87Z-7821990-BA	N/A	N/A
WINDSTAR 98	F87Z-7821990-BA	N/A	F87Z-7821990-BA
WINDSTAR 98 Anti-Theft	F87Z-7821990-BA	N/A	F88Z-1621990-AA

OTHER APPLICABLE ARTICLES: NONE

SUPERSEDES: 98-17-9

WARRANTY STATUS: INFORMATION ONLY

OASIS CODES: 112000