# ADVANCED DIAGNOSTICS

# FORD - Lincoln - Mercury

## (Version 2.8)

**World Leaders In Automotive Key Programming Equipment**

www.advanced-diagnostics.com

# CONTENTS

**Applications are continually updated as vehicles are constantly added.**

**To ensure you have the very latest information,**

**the applications list is available via Info Quest - an online portal**

**containing vehicle technical data for key & remote programming**

**for all manufacturers.**

**To view the latest vehicle applications please visit**

**Info Quest at**

http://iq.advanced-diagnostics.co.uk/

| FORD - Lincoln - Mercury USA Software | |
|---|---|
| ADS100 | Ford - Lincoln - Mercury |
| ADS172 | Ford USA 2010 |
| ADS175 | Ford USA 2011 |
| ADS190 | Ford Parameter Reset 2012 |

# DIAGNOSTIC SOCKETS/PORTS

## *FORD USA*



EXPLORER



MAVERICK

NOTES

1. For HEC, ICM, VIC and SCIL systems ALL keys are required for programming as all keys will be deleted.
2. On systems such as PATS2, HEC, ICM, VIC, PCM and CAN systems an ANTI SCAN mode can be found. This system will stop starting after the keys have been programmed. To overcome this turn ignition ON and the theft light should light for 3 seconds and go out. Then repeat for the second key. Then try and start vehicle.
3. For communication problems, turn ignition ON for 30 seconds before connecting the tester or cable.

# SPECIAL FUNCTIONS

**D**

## FORD - PATS 1

### PROGRAM KEYS

### PROGRAM KEYS

---

**VEHICLE SELECTION**

+ AUDI

+ CHRYSLER

**+ FORD**

+ GMUSA

+ HONDA

+ HYUNDAI

---

**VEHICLE SELECTION**

+ AUS

+ EURO

**+ USA**

---

**VEHICLE SELECTION**

+ PATS 3 CAN

+ PATS 4 CAN

**+ PATS 1**

+ PATS 2

+ PCM

**PRESS ENTER KEY**

---

**ECU IDENTIFICATION**

PATS

**PRESS ENTER KEY**

---

**DIAGNOSTIC MENU**

ECU IDENTIFICATION

FAULT CODES

**SPECIAL FUNCTIONS**

**PRESS ENTER KEY**

---

**DIAGNOSTIC MENU**

**CLEAR PATS**

KEYS PROGRAMMED

**PRESS ENTER KEY**

---

TIMED ACCESS

CLEAR TIME  10:00

KEYS PROGRAMMED : 1

**PRESS ENTER KEY**

---

CLEAR PATS KEY

GAINING ACCESS

TIME REQUIRED  : 10:00

TIME ELAPSED  : 0:00

ACCESS STATUS

IN PROGRESS

**BACK TO ABOURT**

---

KEY PROGRAMMED

DISCONNECT TESTER

FROM VEHICLE

---

NOTE : AFTER THE SYSTEM HAS BEEN CLEARED THE KEY IN THE IGNITION WILL BE PROGRAMMED.

---

# SPECIAL FUNCTIONS

**D**

## FORD - PATS HEC/ICM/VIC/SCIL

### PROGRAM KEYS

| VEHICLE SELECTION |
| --- |
| + AUDI |
| + CHRYSLER |
| **+ FORD** |
| + GMUSA |
| + HONDA |
| + HYUNDAI |

| VEHICLE SELECTION |
| --- |
| + AUS |
| + EURO |
| **+ USA** |

| VEHICLE SELECTION |
| --- |
| **+ HEC** |
| **+ ICM** |
| **+ VIC** |
| **+ SCIL** |
| + PATS 5 CAN |
| **PRESS ENTER KEY** |

| ECU IDENTIFICATION |
| --- |
| PATS |
| **PRESS ENTER KEY** |

| DIAGNOSTIC MENU |
| --- |
| ECU IDENTIFICATION |
| FAULT CODES |
| **SPECIAL FUNCTIONS** |
| **PRESS ENTER KEY** |

| DIAGNOSTIC MENU |
| --- |
| **CLEAR PATS** |
| KEYS PROGRAMMED |
| ADD KEY |
| **PRESS ENTER KEY** |

### PROGRAM KEYS

| |
| --- |
| TIMED ACCESS |
| CLEAR TIME  10:00 |
| KEYS PROGRAMMED : 2 |
| **PRESS ENTER KEY** |

| |
| --- |
| CLEAR PATS KEY |
| GAINING ACCESS |
| TIME REQUIRED  : 10:00 |
| TIME ELAPSED  : 0:00 |
| ACCESS STATUS |
| IN PROGRESS |
| **BACK TO ABOURT** |

| |
| --- |
| PROGRAM KEYS |
| DISCONNECT TESTER |
| FROM VEHICLE |
| CYCLE KEYS |
| **TO PROGRAM** |

NOTE : AFTER THE SYSTEM HAS BEEN CLEARED.

INSERT FIRST KEY  AND TURN IGNITION ON FOR 5 SECONDS, THEN REMOVE AND INSERT THE SECOND KEY FOR 5 SECONDS. REPEAT FIRST KEY AGAIN. THEN TEST KEYS.

### ADD KEY

| DIAGNOSTIC MENU |
| --- |
| CLEAR PATS |
| KEYS PROGRAMMED |
| **ADD KEY** |
| **PRESS ENTER KEY** |

| |
| --- |
| TIMED ACCESS |
| CLEAR TIME  10:00 |
| KEYS PROGRAMMED : 2 |
| **PRESS ENTER KEY** |

| |
| --- |
| CLEAR PATS KEY |
| GAINING ACCESS |
| TIME REQUIRED  : 10:00 |
| TIME ELAPSED  : 0:00 |
| ACCESS STATUS |
| IN PROGRESS |
| **BACK TO ABOURT** |

| |
| --- |
| KEY PROGRAMMED |
| DISCONNECT TESTER |
| FROM VEHICLE |

# SPECIAL FUNCTIONS

**D**

## FORD - PATS 2, PATS 3/4 CAN & PCM

| PROGRAM KEYS | PROGRAM KEYS | ADD KEY |
|---|---|---|

### PROGRAM KEYS (Column 1)

**VEHICLE SELECTION**
+ AUDI
+ CHRYSLER
**+ FORD**
+ GMUSA
+ HONDA
+ HYUNDAI

**VEHICLE SELECTION**
+ AUS
+ EURO
**+ USA**

**VEHICLE SELECTION**
+ PATS 3 CAN
+ PATS 4 CAN
+ PATS 1
**+ PATS 2**
**+ PCM**
**PRESS ENTER KEY**

**ECU IDENTIFICATION**
PATS
**PRESS ENTER KEY**

**DIAGNOSTIC MENU**
ECU IDENTIFICATION
FAULT CODES
SPECIAL FUNCTIONS
**PRESS ENTER KEY**

**DIAGNOSTIC MENU**
**CLEAR PATS**
KEYS PROGRAMMED
ADD KEY
**PRESS ENTER KEY**

### PROGRAM KEYS (Column 2)

TIMED ACCESS

CLEAR TIME 10:00
KEYS PROGRAMMED : 2

**PRESS ENTER KEY**

CLEAR PATS KEY
GAINING ACCESS
TIME REQUIRED : 10:00
TIME ELAPSED : 0:00
ACCESS STATUS
IN PROGRESS
**BACK TO ABOURT**

PROGRAM KEYS

DISCONNECT TESTER
FROM VEHICLE
CYCLE KEYS
**TO PROGRAM**

NOTE : AFTER THE SYSTEM HAS BEEN CLEARED .

INSERT FIRST KEY AND TURN IGNITION ON FOR 5 SECONDS, THEN REMOVE AND INSERT THE SECOND KEY FOR 5 SECONDS. REPEAT FIRST KEY AGAIN. THEN TEST KEYS.

### ADD KEY (Column 3)

**DIAGNOSTIC MENU**
CLEAR PATS
KEYS PROGRAMMED
**ADD KEY**
**PRESS ENTER KEY**

TIMED ACCESS

CLEAR TIME 10:00
KEYS PROGRAMMED : 2

**PRESS ENTER KEY**

CLEAR PATS KEY
GAINING ACCESS
TIME REQUIRED : 10:00
TIME ELAPSED : 0:00
ACCESS STATUS
IN PROGRESS
**BACK TO ABOURT**

KEY PROGRAMMED

DISCONNECT TESTER
FROM VEHICLE

SPECIAL NOTE : WHEN CONNECTING TO THE ESCAPE AND FOCUS, TURN IGNITION ON FIRST AMD WAIT FOR 30 SECONDS BEFORE CONNECTING TESTER.

# SPECIAL FUNCTIONS

# D

## FORD - PATS 5 CAN

### PROGRAM KEYS

| VEHICLE SELECTION |
|---|
| + AUDI |
| + CHRYSLER |
| **+ FORD** |
| + GMUSA |
| + HONDA |
| + HYUNDAI |

| VEHICLE SELECTION |
|---|
| + AUS |
| + EURO |
| **+ USA** |

| VEHICLE SELECTION |
|---|
| + PATS 4 CAN |
| **+ PATS 5 CAN** |
| + PATS 1 |
| + PATS 2 |
| + PCM |
| **PRESS ENTER KEY** |

| ECU IDENTIFICATION |
|---|
| PATS 5 CAN |
| **PRESS ENTER KEY** |

| DIAGNOSTIC MENU |
|---|
| ECU IDENTIFICATION |
| FAULT CODES |
| **SPECIAL FUNCTIONS** |
| **PRESS ENTER KEY** |

| DIAGNOSTIC MENU |
|---|
| **CLEAR PATS** |
| KEYS PROGRAMMED |
| ADD KEY |
| **PRESS ENTER KEY** |

### PROGRAM KEYS

| |
|---|
| PPLEASE WAIT |
| APPROX TIME :  10 : 00 |
| 00 m    02 s |
| **PRESS ENTER KEY** |

| |
|---|
| PROGRAM KEYS |
| DISCONNECT TESTER |
| FROM VEHICLE |
| CYCLE KEYS |
| **TO PROGRAM** |

NOTE : AFTER THE SYSTEM HAS BEEN CLEARED .

INSERT FIRST KEY  AND TURN IGNITION ON FOR 5 SECONDS, THEN REMOVE AND INSERT THE SECOND KEY FOR 5 SECONDS. REPEAT FIRST KEY AGAIN. THEN TEST KEYS.

### ADD KEY

| DIAGNOSTIC MENU |
|---|
| CLEAR PATS |
| KEYS PROGRAMMED |
| **ADD KEY** |
| **PRESS ENTER KEY** |

| |
|---|
| PPLEASE WAIT |
| APPROX TIME :  10 : 00 |
| 00 m    02 s |
| **PRESS ENTER KEY** |

| |
|---|
| SUCCESS |

## FORD - ADVANCED

**ERASE REMOTES**

| VEHICLE SELECTION |
| --- |
| + AUDI |
| + CHRYSLER |
| **+ FORD** |
| + GMUSA |
| + HONDA |
| + HYUNDAI |

| VEHICLE SELECTION |
| --- |
| + AUS |
| + EURO |
| **+ USA** |

| VEHICLE SELECTION |
| --- |
| + PATS 4 CAN |
| + PATS 5 CAN |
| + PATS 1 |
| + PATS 2 |
| **+ REMOTE** |
| PRESS ENTER KEY |

| VEHICLE SELECTION |
| --- |
| TYPE 1 |
| TYPE 2 |
| TYPE 3 |
| TYPE 4 |
| TYPE 5 |
| PRESS ENTER KEY |

| |
| --- |
| **SWIITCH IGNITION ON** |
| PRESS ENTER KEY |

| ECU IDENTIFICATION |
| --- |
| KEYLS. ENT. CODE: 97535 |
| REMOTE 1 : 5B0A4D91 |
| REMOTE 2 : 542945EA |
| REMOTE 3 : FFFFFFFF |
| REMOTE 4 : FFFFFFFF |
| PRESS ENTER KEY |

**ERASE REMOTES**

| DIAGNOSTIC MENU |
| --- |
| ECU IDENTIFICATION |
| **SPECIAL FUNCTIONS** |
| PRESS ENTER KEY |

| DIAGNOSTIC MENU |
| --- |
| **ERASE REMOTES** |
| PROGRAM REMOTE |
| CURR. REMOTE |
| KEYPAD TEST |

| ERASE REMOTES |
| --- |
| REMOTE 1 : 00000000 |
| REMOTE 2 : 00000000 |
| REMOTE 3 : 00000000 |
| REMOTE 4 : 00000000 |
| PROCEDURE COMPLETE |
| PRESS ENTER KEY |

**CURRENT REMOTE**

| DIAGNOSTIC MENU |
| --- |
| ERASE REMOTES |
| PROGRAM REMOTE |
| **CURR. REMOTE** |
| KEYPAD TEST |

| CURR. REMOTE |
| --- |
| PRESS REMOTE |
| 00000000 |
| PRESS ENTER |

> NOTE : ONCE YOU PRESS A BUTTON ON THE REMOTE, THE ID OF THE REMOTE WILL BE DISPLAYED.

| CURR. REMOTE |
| --- |
| PRESS REMOTE |
| 346709A5 |
| PRESS ENTER |

# SPECIAL FUNCTIONS

**D**

## FORD - ADVANCED

### PROGRAM REMOTES

| DIAGNOSTIC MENU |
| --- |
| ERASE REMOTES |
| **PROGRAM REMOTE** |
| CURR. REMOTE |
| KEYPAD TEST |

PROGRAM REMOTE

ENTER REMOTE NO. #

NOTE : THERE ARE 4 MEMORY POSITIONS FOR REMOTE CONTROLS.

PRESS THE REQUIRED POSITION TO PROGRAM THE REMOTE CONTROL.

PROGRAM REMOTE

ENTER REMOTE NO. #
CURR. REMOTE : 00000000

PRESS & RELEASE REMOTE
**AND THEN PRESS ENTER**

NOTE : AFTER YOU HAVE PRESSED THE REMOTE CONTROL THE ID WILL BE DISPLAYED.

PROGRAM REMOTE

ENTER REMOTE NO. #
CURR. REMOTE : 54547678

PRESS & RELEASE REMOTE
**AND THEN PRESS ENTER**

### PROGRAM REMOTES

PROGRAM. REMOTE

PRESS REMOTE

PROGRAM. REMOTE

PRESS REMOTE

REMOTE X: : 54547678

**PRESS ENTER KEY**

### CURRENT REMOTE

| DIAGNOSTIC MENU |
| --- |
| ERASE REMOTES |
| PROGRAM REMOTE |
| **CURR. REMOTE** |
| KEYPAD TEST |

CURR. REMOTE

PRESS REMOTE
00000000

**PRESS ENTER**

NOTE : AFTER YOU HAVE PRESSED THE REMOTE CONTROL THE ID WILL BE DISPLAYED.

CURR. REMOTE

PRESS REMOTE
567823A3

**PRESS ENTER**

## FORD - ADVANCED

**KEYPAD CODE&TEST**

### DIAGNOSTIC MENU

ERASE REMOTES

PROGRAM REMOTE

CURR. REMOTE

**KEYPAD TEST**

---

KEYPAD TEST

PRESS KEY TO TEST

—— —— —— —— ——

PRESS ENTER

---

NOTE : WHEN YOU PRESS A BUTTON ON THE KEYPAD THE NUMBER WILL APPEAR ON THE SCREEN.

IF A NUMBER IS DISPLAYED WITHOUT PRESSING A BUTTON IT MEANS IT IS FAULTY.

---

KEYPAD TEST

PRESS KEY TO TEST

1/2  3/4  5/6  7/8  9/0

PRESS ENTER

# SPECIAL FUNCTIONS

## FORD - 2011 SYSTEMS

### PROGRAM KEYS

**VEHICLE SELECTION**
- + AUDI
- + CHRYSLER
- **+ FORD**
- + GMUSA
- + HONDA
- + HYUNDAI

**VEHICLE SELECTION**
- + AUS
- + EURO
- **+ USA**

**VEHICLE SELECTION**
- + AVIATOR
- **+ BLACKWOOD**
- + CONTINENTAL
- + CONTOUR
- + COUGAR

PRESS ENTER KEY

**ECU IDENTIFICATION**

FORD 2011

PRESS ENTER KEY

**DIAGNOSTIC MENU**
- ECU IDENTIFICATION
- FAULT CODES
- **SPECIAL FUNCTIONS**

PRESS ENTER KEY

**DIAGNOSTIC MENU**
- **CLEAR KEYS**
- ADDITIONAL KEYS

PRESS ENTER KEY

### PROGRAM KEYS

WARNING
ALL KEYS WILL BE
CLEARED

✕    ✓

PPLEASE WAIT
APPROX TIME : 10 : 00
00 m    02 s

PRESS ENTER KEY

SUCCESS
DISCONNECT TESTER
CYCLE KEYS TO PROGRAM

NOTE : AFTER THE SYSTEM HAS BEEN CLEARED.

INSERT FIRST KEY AND TURN IGNITION ON FOR 5 SECONDS, THEN REMOVE AND INSERT THE SECOND KEY FOR 5 SECONDS. REPEAT FIRST KEY AGAIN. THEN TEST KEYS.

### ADD KEY

**DIAGNOSTIC MENU**
- CLEAR KEYS
- **ADDITIONAL KEYS**

PRESS ENTER KEY

PPLEASE WAIT
APPROX TIME : 10 : 00
00 m    02 s

PRESS ENTER KEY

SUCCESS
DISCONNECT TESTER

## FORD - 2011 SYSTEMS (FIESTA)

| PROGRAM KEYS | PROGRAM KEYS | ADD KEY |
|---|---|---|

**PROGRAM KEYS**

**VEHICLE SELECTION**
+ AUDI
+ CHRYSLER
**+ FORD**
+ GMUSA
+ HONDA
+ HYUNDAI

**VEHICLE SELECTION**
+ AUS
+ EURO
**+ USA**

**VEHICLE SELECTION**
+ AVIATOR
**+ BLACKWOOD**
+ CONTINENTAL
+ CONTOUR
+ COUGAR
**PRESS ENTER KEY**

**ECU IDENTIFICATION**

FORD 2011

PATS 3 CAN (PCM_

**PRESS ENTER KEY**

**DIAGNOSTIC MENU**
ECU IDENTIFICATION
**SPECIAL FUNCTIONS**

**PRESS ENTER KEY**

**DIAGNOSTIC MENU**
**CLEAR KEYS**
PROGRAM KEYS
KEYS PROGRAMMED

**PRESS ENTER KEY**

---

**PROGRAM KEYS**

WARNING
ALL KEYS WILL BE
CLEARED

✕          ✓

KEYS PROGRAMMED : 2
KEY STATUS : UNPROGRAMMED

**PRESS ENTER KEY**

SUCCESS

NOTE : AFTER THE SYSTEM HAS
BEEN CLEARED .

NOW EACH KEY MUST BE
PROGRAMMED.

SELECT THE PROGRAM KEYS
OPTION FOR EACH KEY.

---

**ADD KEY**

**DIAGNOSTIC MENU**
CLEAR KEYS
**PROGRAM KEYS**
KEYS PROGRAMMED

**PRESS ENTER KEY**

KEYS PROGRAMMED : 2
KEY STATUS : UNPROGRAMMED

**PRESS ENTER KEY**

IGNITION ON

INSERT KEY TO PROGRAM
IGNTIION ON

**PRESS ENTER KEY**

SUCCESS
CYCLE IGNITION TO PROGRAM

**PRESS ENTER KEY**

---

## FORD - 2011 SYSTEMS (PROXIMITY)

### PROGRAM PROX

**VEHICLE SELECTION**
+ AUDI
+ CHRYSLER
**+ FORD**
+ GMUSA
+ HONDA
+ HYUNDAI

**VEHICLE SELECTION**
+ AUS
+ EURO
**+ USA**

**VEHICLE SELECTION**
+ AVIATOR
**+ BLACKWOOD**
+ CONTINENTAL
+ CONTOUR
+ COUGAR
PRESS ENTER KEY

**VEHICLE SELECTION**
+ BY VEHICLE
**+ BY SYSTEM**
PRESS ENTER KEY

**VEHICLE SELECTION**
+ PROXIMITY
**+ NON PROXIMITY**
PRESS ENTER KEY

LEAVE IGNITION OFF
PRESS ENTER KEY

### PROGRAM PROX

**ECU IDENTIFICATION**
PATS 6 PROX
PRESS ENTER KEY

**DIAGNOSTIC MENU**
ECU IDENTIFICATION
FAULT CODES
**SPECIAL FUNCTIONS**
PRESS ENTER KEY

**DIAGNOSTIC MENU**
**GAIN 10 MIN PATS ACCESS**
CLEAR PROX
ADD PROX
KEYS PROGRAMMED
PRESS ENTER KEY

NOTE : YOU MUST GO THROUGH THE GAIN 10 MIN PATS ACCESS BEFORE YOU CAN ADD OR ERASE KEYS.

SECURITY ACCESS
PPLEASE WAIT
APPROX TIME : 10 : 00
00 m   02 s
PRESS ENTER KEY

**DIAGNOSTIC MENU**
GAIN 10 MIN PATS ACCESS
**CLEAR PROX**
ADD PROX
KEYS PROGRAMMED
PRESS ENTER KEY

### PROGRAM PROX

CLEAR PROX
SUCCESS
NOW GO TO
ADD PROX
PRESS ENTER KEY

WARNING
ALL PROX WILL BE
CLEARED
CONTINUE
✕   ✓

**DIAGNOSTIC MENU**
GAIN 10 MIN PATS ACCESS
CLEAR PROX
**ADD PROX**
KEYS PROGRAMMED
PRESS ENTER KEY

ADD PROX
PLACE PROX IN
PROGRAMMING SLOT
MAX 4 PROX
CAN BE PROGRAMMED
PRESS ENTER KEY

ADD PROX
PROX PROGRAMMED : 2
2 PROX REQUIRED
PRESS ENTER KEY

# SPECIAL FUNCTIONS

## FORD - 2011 SYSTEMS (PROXIMITY)

**PROGRAM PROX**

| ADD PROX |
|---|
| PLEASE WAIT |

| ADD PROX |
|---|
| PROX PROGRAMMED : 1 |
| **PRESS ENTER KEY** |

| ADD PROX |
|---|
| TEST REMOTE |
| PRESS UNLOCK BUTTON |
| **PRESS ENTER KEY** |

NOTE : WHEN YOU PRESS THE UNLOCK BUTTON THE DOOR LOCKS SHOULD OPERATE.

TO CONTINUE PRESS ENTER

| DO YOU WANT TO PROGRAM |
|---|
| ANOTHER PROX |
| CLEARED |
| CONTINUE |
| ✕          ➔ |

NOTE : MINIMUM 2 PROXIMITY KEYS MUST BE PROGRAMMED.

**PROGRAM PROX**

| ADD PROX |
|---|
| PROX PROGRAMMED : 2 |
| **PRESS ENTER KEY** |

| ADD PROX |
|---|
| TEST REMOTE |
| PRESS UNLOCK BUTTON |
| **PRESS ENTER KEY** |

**PROGRAM PROX**

# REMOTE PROGRAMMING

| | | | |
|---|---|---|---|
| **Bronco** | **1994 to 1996** | **Cub Wagon** | **1994 to 2005** |
| **Econoline** | **1994 to 1995** | **F150** | **1994 to 1996** |
| **F250** | **1994 to 1996** | **F250 Heavy Duty** | **1997** |
| **F350** | **1994 to 1997** | **F350 Light Duty** | **1997** |

1. Locate program connector (taped to wiring harness near to the central locking control module.)
2. Turn ignition on.
3. Momentarily short the two connections
   - Doors should unlock.
   - Remove shorting wire.
4. Press any button on the first remote
   - Doors should lock & then unlock
5. Repeat step 4. for all remotes
6. Switch ignition OFF, doors lock then Unlock

   Notes
   a. If door locks do not operate first time, then press the button again up to a maximum of 3 times.
   b. A maximum of 4 remotes can be programmed

| | | | |
|---|---|---|---|
| **Club Wagon** | **1996 to 1998** | **Econoline** | **1996 to 1998** |

1. Locate program connector below facia at base of steering column)
2. Turn ignition on.
3. Short the two connections
   - Doors should unlock.
4. Press any button on the first remote
   - Doors should lock & then unlock
5. Repeat step 4. for all remotes
6. Switch ignition OFF.
7. Remove Shorting wire.
8. Doors lock then Unlock

   Notes
   a. If door locks do not operate first time, then press the button again up to a maximum of 3 times.
   b. A maximum of 4 remotes can be programmed

| | | | |
|---|---|---|---|
| **Contour** | **1995 to 1997** | **Mystique** | **1998 to 2000** |

1. Locate program connector (taped to wiring harness behind glove box).
2. Turn ignition on.
3. Momentarily short the two connections
   - Doors should unlock.
   - Remove shorting wire.
4. Press any button on the first remote
   - Doors should lock & then unlock
5. Repeat step 4. for all remotes
6. Switch ignition OFF
7. The horn will sound and parking lamps will flash.

Notes a. If door locks do not operate first time, then press the button again up to a maximum of 3 times.
      b. A maximum of 4 remotes can be programmed

| | |
|---|---|
| **Contour** | **1998 to 2000** |

1. Locate program connector (taped to wiring harness behind glove box).
2. Turn ignition on.
3. Momentarily short the two connections
   - Horn will sound
   - Remove shorting wire.
4. Press any button on the first remote
   - Horn will sound.
5. Repeat step 4. for all remotes
6. Switch ignition OFF
7. The horn will sound.

Notes a. A maximum of 4 remotes can be programmed

# REMOTE PROGRAMMING

| | | | |
|---|---|---|---|
| **Crown Victoria** | **1993 to 1994** | **Explorer** | **1994** |
| **Grand Marquis** | **1993 to 1994** | **Windstar** | **1995 to 1997** |

1.    Locate program connector (taped to wiring harness behind glove box).
2.    Turn ignition on.
3.    Momentarily short the two connections
      - Doors should unlock.
      - Remove shorting wire.
4.    Press any button on the first remote
      - Doors should Lock & then Unlock
5.    Repeat step 4. for all remotes
6.    Switch ignition OFF
7.    Doors should Lock then Unlock.

Notes a. If door locks do not operate first time, then press the button again up to a maximum of 3 times.
      b. A maximum of 4 remotes can be programmed

**Crown Victoria          1995 to 1997**

1.    Enter 5 digit code into the keyless entry pad.
2.    Within 5 sec, press the 1-2 switch on the keyless pad
3.    Within 5 sec, press any button on the first remote.
      - Doors should Lock & Unlock
5.    Repeat step 4. for all remotes
6.    Switch ignition OFF
      - Doors should Lock then Unlock.
7.    To exit programming mode, simultaneously press 7-8 & 9-0 switches on the  keyless pad or wait >7.5 sec.

Notes a. A maximum of 4 remotes can be programmed

| | | | |
|---|---|---|---|
| **Crown Victoria** | **1998 to 2009** | **Continental** | **1998 to 2002** |

1.    Switch ignition OFF to ON 8 times within 3 sec.
      - Doors should Lock & Unlock
2.    Within 7.5 seconds, press any button on the first remote.
      - Doors should Lock & Unlock
3.    Repeat step 2. for all remotes.
4.    Wait 7.5 sec.
5.    Switch ignition OFF
6.    Wait 20 seconds.

Notes a. A maximum of 4 remotes can be programmed

| | | | |
|---|---|---|---|
| **Econoline** | **1999 to 2000** | **E Series** | **2001 to 2008** |
| **Escort** | **1998 to 2000** | **F150** | **1999 to 2008** |
| **F250** | **1999** | **F250-550 Super Duty** | **2002 to 2009** |
| **ZX2** | **2001 to 2003** | **Escape** | **2006 to 2007** |
| **Expedition** | **2007 to 2008** | **Explorer** | **2006 to 2009** |
| **Explorer Sport Trac** | **2006 to 2009** | **Blackwood** | **2002 to 2003** |
| **LS** | **2003 to 2006** | **Mark LT** | **2006 to 2008** |
| **Montego** | **2005 to 2007** | **Monterey** | **2003 to 2007** |

1.    Switch ignition OFF to ON 8 times within 10 sec.
      - Doors should Lock & Unlock
2.    Within 20 seconds, press any button on the first remote.
      - Doors should Lock & Unlock
3.    Repeat step 2. for all remotes.
4.    Wait 20 sec.
5.    Switch ignition OFF
      - Doors should Lock & Unlock.

Notes a. A maximum of 4 remotes can be programmed

# REMOTE PROGRAMMING

**E**

| | | | |
|---|---|---|---|
| **Excursion** | **2000 to 2006** | **Expedition** | **1999 to 2006** |
| **Escape** | **2001 to 2005** | **Explorer** | **1998 to 2005** |
| **Explorer Sport** | **1999 to 2003** | **Explorer Sport Trac** | **1998 to 2005** |
| **F150** | **1998** | **F250** | **1998** |
| **Ranger** | **1998 to 2005** | **Taurus** | **1998 to 2005** |
| **Thunderbird** | **2002 to 2006** | **Mustang** | **1999 to 2006** |

1. Switch ignition OFF to ON 8 times within 10 sec.
   - Doors should Lock & Unlock
2. Within 7.5 seconds, press any button on the first remote.
   - Doors should Lock & Unlock
3. Repeat step 2. for all remotes.
4. Switch ignition OFF
   - Doors should Lock & Unlock

Notes a. If door locks don't operate, wait 3 seconds & press button again.
      b. A maximum of 4 remotes can be programmed

| | | | |
|---|---|---|---|
| **Escort** | **1997** | **Explorer** | **1995 to 1997** |
| **Expedition** | **1997** | **F150** | **1997** |
| **F250** | **1997** | **F250-550 Super Duty** | **1999 to 2001** |
| **Ranger** | **1995 to 1997** | **Taurus** | **1996 to 1997** |
| **Windstar** | **1998** | | |

1. Switch ignition OFF to ON 5 times within 10 sec.
   - Doors should Lock & Unlock
2. Press any button on the first remote.
   - Doors should Lock & Unlock
3. Repeat step 2. for all remotes.
4. Switch ignition OFF
   - Doors should Lock & Unlock

Notes a. If door locks don't operate, wait 3 seconds & press button again.
      b. A maximum of 4 remotes can be programmed

| | | | |
|---|---|---|---|
| **Expedition** | **1998** | **Navigator** | **1999 to 2006** |
| **Windstar** | **1999 to 2003** | **Mariner** | **2005 to 2007** |
| **Mountaineer** | **1998 to 2001** | **Sable** | **1998 to 1999** |

1. Switch ignition OFF to ON 8 times within 10 sec.
   - Doors should Lock & Unlock
2. Press any button on the first remote.
   - Doors should Lock & Unlock
3. Repeat step 2. for all remotes.
4. Switch ignition OFF
   - Doors should Lock & Unlock

Notes a. If door locks don't operate, wait 3 seconds & press button again.
      b. A maximum of 4 remotes can be programmed.

| | | | |
|---|---|---|---|
| **Five Hundred** | **2005 to 2007** | **Freestar** | **2003 to 2007** |
| **Focus** | **2008 to 2009** | **Freestyle** | **2005 to 2007** |
| **Mustang** | **2007 to 2009** | **Ranger** | **2006 to 2009** |
| **Taurus** | **2006 to 2007** | **Navigator** | **2007 to 2008** |
| **Town Car** | **2004 to 2008** | **Mountaineer** | **2002 to 2009** |
| **Sable** | **2000 to 2005** | | |

1. Switch ignition OFF to ON 8 times within 10 sec.
   - Doors should Lock & Unlock
2. Within 20 seconds, press any button on the first remote.
   - Doors should Lock & Unlock
3. Repeat step 2. for all remotes.
5. Switch ignition OFF

Notes a. If door locks don't operate, wait 3 seconds & press button again.
      b. A maximum of 4 remotes can be programmed.

# REMOTE PROGRAMMING

# E

| Focus | 2006 | Cougar | 1999 to 2002 |
|---|---|---|---|

Fasten seat belts & close doors.
1. Switch ignition OFF to ON 4 times within 6 sec.
2. Switch ignition OFF.
   - A sound & the system warning lamp will illuminate
3. Within 10 seconds.
   - Press & Hold any remote transmitter button
4. Wait for sound & system warning lamp will illuminate
5. Repeat step 3. within 10 seconds for another remote.
6. To exit programming mode turn Ignition to crank or wait 10 seconds.

Notes a. A maximum of 4 remotes can be programmed

| Mustang | 1994 to 1998 | Taurus | 1994 to 1995 |
|---|---|---|---|
| Thunderbird | 1994 to 1997 | | |

1. Locate program connector (taped to wiring harness in boot).
2. Turn ignition on.
3. Momentarily short the two connections
   - Doors should unlock.
   - Remove shorting wire.
4. Press any button on the first remote
   - Doors should Lock & then Unlock
5. Repeat step 4. for all remotes
6. Switch ignition OFF
7. Doors should Lock then Unlock.

Notes a. If door locks don't operate, wait 3 seconds & press button again.
      b. A maximum of 4 remotes can be programmed.

| Probe | 1993 to 1997 |
|---|---|

1. Locate program connector (taped to wiring harness in boot).
2. Turn ignition on.
3. Momentarily short the two connections
   - Doors should unlock.
   - Remove shorting wire.
4. Press any button on the first remote
   - Doors should Lock & then Unlock
5. Repeat step 4. for all remotes
6. Switch ignition OFF

| Town Car | 1998 to 2003 | Grand Marquis | 1998 to 2008 |
|---|---|---|---|
| Marauder | 2003 to 2004 | | |

Fasten seat belts & close doors.
1. Switch ignition OFF to ON 5 times within 3 sec.
2. Doors should LOCK and UNLOCK.
3. Within 7.5 seconds Press any remote transmitter button
4. Doors should LOCK and UNLOCK.
5. Repeat for ALL remote controls.
6. Wait 7.5 seconds then switch ignition OFF.
7. Wait 20 seconds
8. Test all remote controls.

Notes a. A maximum of 4 remotes can be programmed

| Villager | 1996 to 2002 |
|---|---|

1. Enter the vehicle and LOCK all the doors.
2. Insert and remove the key 6 times within 10 seconds.
3. Turn ignition to accessory position.
4. Press LOCK button on first remote control.
5. Parking lights and instrument panel lights will flash to confirm programming.
6. Lock and then unlock drivers door using the switch located on drivers door.
7. Press LOCK button on second remote control.
8. Parking lights and instrument panel lights will flash to confirm programming.
9. Repeat steps 7 to 8 for all remote controls.
10. To exit programming open the drivers door.

## PRECAUTIONS

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**IMPORTANT : PLEASE ENSURE ALL PRECAUTIONS ARE OBSERVED AS INDICATED AT THE FRONT OF THE OPERATING MANUAL.**

**IN PARTICULAR :** For vehicles fitted with STOP/START technology, the battery leads must not be shorted together when the battery is disconnected as this can lead to damage to the car and potential personal injury.

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The most advanced key transponder cloning tool in the market - that reads, writes, copies, a wide range of automotive transponders worldwide. Complimenting the AD100Pro / MVPPro.
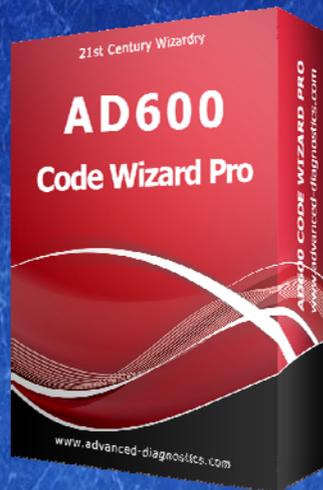
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**PINCODE Generator**

AD600 is a software program that supports various vehicle manufacturers and provides the ability to generate immobiliser PINCODES, mechanical key codes including dealer tool security codes.

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**Remote Control Tester**

AD35 is an innovative remote control tester developed to assist with the diagnosis of all types of (IR) Infra Red & (RF) Radio Frequency remote controls for all makes & models.