ADVANCED DIAGNOSTICS

Unlocking Technology

FORD

(V e r s i o n   3 . 4)

W o r l d   L e a d e r s   I n   A u t o m o t i v e   K e y   P r o g r a m m i n g   E q u i p m e n t

w w w . a d v a n c e d - d i a g n o s t i c s . c o m

CONTENTS

WWW.ADVANCED-DIAGNOSTICS.CO.UK

WWW.ADUSA.US

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.com/

FORD Software	
ADS100	**Ford**
ADS133	**Ford Coded**
ADS162	**Ford Coded 2007**
ADS209	**Ford 20 Byte Bypass**
ADS257	**Ford 2016**

DIAGNOSTIC SOCKET LOCATIONS

Ford **B**

FIESTA

MONDEO 2002

FOCUS

PUMA

FUSION/FIESTA

SCORPIO

GALAXY

TRANSIT 2002

GALAXY2

TRANSIT UPTO 2002

DIAGNOSTIC SOCKET LOCATIONS

Ford **B**

COUGAR

TRANSIT 2007 on

COURIER

S MAX 2007 on

COURIER

GALAXY 2010 on

TRANSIT CONNECT

C MAX

ESCORT/FIESTA 2 PIN

MONDEO 2015

ADVANCED DIAGNOSTICS

INTRODUCTION - TIMED ACCESS

The FORD PATS systems were introduced on Ford vehicles on 94.5 M.Y. vehicles, and was available from March 1994.

There have been many variations on the original system fitted. This system has a separate PATS Amplifier, however on subsequent systems the PATS module was incorporated into the Engine Management ECU.

SYSTEM OPERATION

The PATS system is a PASSIVE Anti-theft system which requires no special procedures for the driver to arm or disarm the system. The system is operated by a transponder fitted within the ignition key's body, which communicates with the PATS module ignition transceiver mounted around the lock barrel.

The easy method of identifying a PATS vehicle is if the key has a small imprint showing where the transponder is fitted. The code for the transponder is stored in memory within the PATS amplifier or the Engine Management ECU.

The PATS system reads the code when the ignition key is turned from position 0 to position 1. If the correct code is received then the engine will start.

When vehicles are fitted with Diesel Smart Modules or EPIC, the PATS code is stored in these systems as well, and requires clearing when new keys are programmed.

KEY OPERATION - UP TO 98 ¼ MY

Three keys are allocated to each vehicle, the first key which is inserted is known as the master and is usually identified by it's RED colour. The other keys that are used are known as slave keys and are usually BLACK with a RED insert. Up to 16 keys can be programmed into the PATS system.

KEY OPERATION - 98¼ MY ONWARDS

The newer systems are only supplied with 2 keys. Both keys are required to program further slave keys. Up to a maximum of 8 keys can be programmed to this PATS system.

PATS LED INDICATOR

The LED indicator is used for the PATS system and also other Anti-theft systems fitted to the Ford vehicle range. When the ignition is switched ON, the PATS LED will illuminate for 3 seconds while it performs a self-test, after which it extuingishes. When the PATS system is armed and immobilised the vehicle, the PATS LED will flash quickly.

If there is a fault on the PATS system, and the engine can start, the PATS LED will iloume for 60 seconds continuously, and then flash the PATS fault code 10 times. If the engine is unable to start and disabled by the PATS system, then the PATS LED will FLASH for 60 seconds and then flash the PATS fault code 10 times. PATS LED is mounted either in the front headlining or next to the heater controls/clock.

PATS SYSTEM - PROBE ONLY

The PATS system fitted to the Probe is unlike the other systems. The main difference is the system cannot be diagnosed with the FDS2000 or the AD PROGRAMMING SYSTEM. Additional keys and re-programming of new keys are performed in a different procedure as well.

INTRODUCTION - CODED ACCESS

The Ford coded access system was introduced in the year 2002, and the first vehicle that had this system was the FORD KA.

The system replaces the TIMED ACCESS, which was first used in 1994.

The new system replaces the TIMED ACCESS countdown timer with a security algorithm which will display an outcode when you try to program keys. This outcode needs converting and an incode is required.

Advanced Diagnostics have developed a system which uses this incode and outcode system, however the way the system works means that it is not 100% accurate and some vehicles cannot be programmed until the codes have been checked.

The system uses an internet system as described on the following pages, and requires web access when you are at the vehicle, Advanced Diagnostics forum access and a valid AD100, MVP, TCODE, Codeseeker or DM100 serial number and passcode to use the system.

NEW FIESTA

The new fiesta can be a difficult vehicle to program, as there are 2 systems TYPE 1 and TYPE 2.

The problem is that it is difficult to know which is the correct one, and therefore because you can communicate with both, it means if you do not identify the correct system, then you have to try both types with the coded procedures.

Here is a guide to identify the systems…

TYPE 1

Type 1 are generally up to 2004 model year.

TYPE 2

When you try to ADD or CLEAR the system, the MAIN RELAY will click and the FUEL PUMP will run for a brief second, this indicates it is a TYPE 2 system.

Also TYPE 2 systems tend to have CHROME BEZEL/EDGING on the instrument cluster.

Type 2 are generally from MARCH 2005 onwards

FORD CODED 2007

Ford have updated their coded system from 2007 for Transit, Mondeo, S Max and later Fiesta.

The system operates on the same principle as the earlier coded vehicles i.e. it requires an Incode and Outcode via our website.

The differences are:

1.   The remote part of the key is programmed when the keys are programmed.
2.   Once the keys have been erased, the new keys need to be programmed individually using the **ADD KEY** function.
       IMPORTANT: These keys are not cycled in at the end, please follow the on screen instructions.

C

FORD SYSTEMS

SYSTEM	TIMED ACCESS	CODED ACCESS	MIN NO. OF KEYS	IGNITION ON BEFORE CONNECTING TESTER (*)	CLEAR TIME (Minutes)
PATS 1	✓		3		8:00
PATS 2	✓		3		8:00
PATS 2 DIESEL	✓		3		23:00
PATS 3 SCP	✓		2	✓	10:00
PATS 3 SCP DIESEL	✓		2	✓	10:00
PATS 3 SCP CODED		✓	2	✓	-
PATS 3 CAN CODED		✓	2	✓	-
PROXIMITY		✓	2		-
NON PROX		✓	2		-
2007 CODED TRANSIT		✓	2		-
2007 CODED FIESTA		✓	2		-
FALCON BEM	✓		2		10:00
FALCON PCM	✓		2		10:00
BA FALCON	✓		2		10:00
BF FALCON		✓	2		-

(*) TURN IGNITION ON AND LET IMMOBILISER LED STOP FLASHING. THEN CONNECT TESTER

PATS 1 & 2 (Petrol)

KEY PROGRAMMING

VEHICLE SELECTION

+ FORD
+ GM (USA)
+ GM / OPEL
+ HONDA / ACURA
+ HYUNDAI
+ INFINITI

VEHICLE SELECTION

93 > 97
97 > 01

DIAGNOSTIC MENU

CLEAR / ERASE PATS
KEYS PROGRAMMED

VEHICLE SELECTION

+ AUS
+ EURO
+ USA
+ S. AMERICA

SWITCH IGNITION ON

PRESS ENTER KEY

CLEAR / ERASE PATS

KEYS PROGRAMMED: 2

CLEAR TIME: 8.00

PRESS ENTER KEY

THE FOLLOWING PROCEDURE SHOWS 'BY VEHICLE' SELECTION. IF 'BY SYSTEM' IS CHOSEN THEN THE SYSTEM TYPE WHERE KNOWN IS SHOWN IN THE APPLICATION PAGES

ECU IDENTIFICATION

PATS 1

PRESS ENTER KEY

THE TESTER WILL NOW CLEAR THE SYSTEM WHICH WILL TAKE APPROX 8 MINUTES.

SWITCH THE IGNITION KEY TO THE ACCESSORY POSITION

VEHICLE SELECTION

+ BY VEHICLE
+ BY SYSTEM

DIAGNOSTIC MENU

ECU IDENTIFICATION
FAULT CODES
> SPECIAL FUNCTIONS

PRESS ENTER KEY

CLEAR PATS 1 KEY

SWITCH IGN. ACCESSORY

IGNITION STATUS: ON

VEHICLE SELECTION

+ C MAX
+ COUGAR
+ ESCAPE
+ ESCORT/ORION
+ EXPOLRER
+ FAIRLANE

DIAGNOSTIC MENU

CLEAR / ERASE PATS
KEYS PROGRAMMED

CLEAR PATS 1 KEY

TIME REQUIRED   8:00
******

BACK TO ABORT

VEHICLE SELECTION

+ PETROL
+ DIESEL

KEYS PROGRAMED 2

PRESS ENTER KEY

CLEAR PATS 1 SYSTEM

ALL KEYS CLEARED

KEYS PROGRAMMED: 0

PRESS ENTER KEY

PATS 1 & 2 (Petrol)

KEY PROGRAMMING

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```
        PROGRAM KEYS

      MIN 3 KEYS REQUIRED




        PRESS ENTER KEY
```

```
        DIAGNOSTIC MENU


     ECU IDENTIFICATION

     FAULT CODES

   > SPECIAL FUNCTIONS


        PRESS ENTER KEY
```

WWW.ADUSA.US

The key in the ignition is now programmed as the master key.

A minimum of 3 keys are required to finish the programming sequence.

To program in the additional keys, insert each key and cycle the key in the ignition from OFF to ON and then back to OFF. Then remove.
Repeat for second key.

After 2 minutes try starting with both keys.

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SPECIAL FUNCTIONS

Ford **D**

PATS 1 & 2 (Diesel)

KEY PROGRAMMING

VEHICLE SELECTION
+ FORD
+ GM (USA)
+ GM / OPEL
+ HONDA / ACURA
+ HYUNDAI
+ INFINITI

VEHICLE SELECTION
93 > 97
97 > 01

DIAGNOSTIC MENU
CLEAR / ERASE PATS
KEYS PROGRAMMED

VEHICLE SELECTION
+ AUS
+ EURO
+ USA
+ S. AMERICA

SWITCH IGNITION ON
PRESS ENTER KEY

CLEAR / ERASE PATS
CLEAR TIME: 8.00
PRESS ENTER KEY

THE FOLLOWING PROCEDURE SHOWS 'BY VEHICLE' SELECTION. IF 'BY SYSTEM' IS CHOSEN THEN THE SYSTEM TYPE WHERE KNOWN IS SHOWN IN THE APPLICATION PAGES

ECU IDENTIFICATION
PATS 2 DIESEL
PRESS ENTER KEY

THE TESTER WILL NOW CLEAR THE SYSTEM WHICH WILL TAKE APPROX 8 MINUTES. FOLLOWED BY APPROX 15 MINS TO CLEAR THE DSM MODULE.

VEHICLE SELECTION
+ BY VEHICLE
+ BY SYSTEM

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

CLEAR PATS 2 KEY
TIME REQUIRED   8:00
******
BACK TO ABORT

VEHICLE SELECTION
+ C MAX
+ COUGAR
+ ESCAPE
+ ESCORT/ORION
+ EXPOLRER
+ FAIRLANE

DIAGNOSTIC MENU
CLEAR / ERASE PATS
KEYS PROGRAMMED

CLEAR PATS 2 DSM
TIME REQUIRED   15:00
******
BACK TO ABORT

VEHICLE SELECTION
+ PETROL
+ DIESEL

KEYS PROGRAMED 2
PRESS ENTER KEY

SWITCH IGNITION OFF
PRESS ENTER KEY

PATS 1 & 2 (Diesel)

KEY PROGRAMMING

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```
CLEAR PATS 2 SYSTEM

ALL KEYS CLEARED

KEYS PROGRAMMED:   0

PRESS ENTER KEY
```

```
PROGRAM KEYS

MIN 3 KEYS REQUIRED

PRESS ENTER KEY
```

WWW.ADUSA.US

```
DIAGNOSTIC MENU

ECU IDENTIFICATION
FAULT CODES
> SPECIAL FUNCTIONS

PRESS ENTER KEY
```

The key in the ignition is now programmed as the master key.

A minimum of 3 keys are required to finish the programming sequence.

To program in the additional keys, insert each key and cycle the key in the ignition from OFF to ON and then back to OFF. Then remove.
Repeat for second key.

After 2 minutes try starting with both keys.

SPECIAL FUNCTIONS

Ford **D**

PATS GALAXY (Diesel)

KEY PROGRAMMING

SOME FORD GALAXYS REQUIRE YOU TO TURN IGNITION ON AND LET IMMOBILISER LED STOP FLASHING . THEN CONNECT TESTER.

A MINIMUM OF 2 KEYS IS REQUIRED.

VEHICLE SELECTION

+ FORD

+ GM (USA)

+ GM / OPEL

+ HONDA / ACURA

+ HYUNDAI

+ INFINITI

VEHICLE SELECTION

+ AUS

+ EURO

+ USA

+ S. AMERICA

THE FOLLOWING PROCEDURE SHOWS 'BY VEHICLE' SELECTION. IF 'BY SYSTEM' IS CHOSEN THEN THE SYSTEM TYPE WHERE KNOWN IS SHOWN IN THE APPLICATION PAGES

VEHICLE SELECTION

+ BY VEHICLE

+ BY SYSTEM

VEHICLE SELECTION

+ FOCUS

+ GALAXY

+ FUSION

+ GRANADA / SCORPIO

+ KA

+ LTD

VEHICLE SELECTION

+ PETROL

+ DIESEL

VEHICLE SELECTION

> 97

97 > 00

00 > 01

07 >

SWITCH IGNITION ON

PRESS ENTER KEY

ECU IDENTIFICATION

7 MO953257AB V41 V

V BC 2 3

K

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION

FAULT CODES

> SPECIAL FUNCTIONS

PRESS ENTER KEY

DIAGNOSTIC MENU

PROGRAM KEYS

CLEAR KEY - GALAXY

MIN KEYS REQUIRED: 2

PRESS ENTER KEY

THE TESTER WILL NOW CLEAR THE SYSTEM WHICH WILL TAKE APPROX 8 MINUTES.
FOLLOWED BY APPROX 15 MINS TO CLEAR THE DSM MODULE.

CLEAR KEY - GALAXY

TIME REQUIRED   8:00
******

WAITING TO CLEAR

BACK TO ABORT

PLEASE ENTER THE TOTAL NUMBER OF KEYS YOU REQUIRE TO PROGRAM

CLEAR KEY - GALAXY
KEYS PROGRAMMED: 0
TOTAL KEYS REQD:

1	2	3	4	5
6	7	8	9	0

PROGRAMMING KEYS

TOTAL KEYS REQD: 2

PRESS ENTER KEY

PATS GALAXY (Diesel)

KEY PROGRAMMING

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```
PLEASE PROGRAM

ADDITIONAL KEYS



                 PRESS ENTER KEY
```

The key in the ignition is now programmed .

A minimum of 2 keys are required to finish the programming sequence.

To program in the additional keys, insert each key and cycle the key in the ignition from OFF to ON and then back to OFF. Then remove.
Repeat for second key.

After 2 minutes try starting with all keys.

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SPECIAL FUNCTIONS

Ford **D**

PATS 3 (SCP)

KEY PROGRAMMING

TURN IGNITION ON AND LET IMMOBILISER LED STOP FLASHING. THEN CONNECT TESTER.

A MINIMUM OF 2 KEYS IS REQUIRED.

VEHICLE SELECTION

94 > 96
96/97
97/98
98 > 06
07 >

DIAGNOSTIC MENU

CLEAR / ERASE PATS
KEYS PROGRAMMED
ADD KEY

VEHICLE SELECTION

+ FORD
+ GM (USA)
+ GM / OPEL
+ HONDA / ACURA
+ HYUNDAI
+ INFINITI

SWITCH IGNITION ON

PRESS ENTER KEY

MIN KEYS REQUIRED: 2

TIMED ACCESS

CLEAR TIME 10:00

KEYS PROGRAMMED: 2

PRESS ENTER KEY

VEHICLE SELECTION

+ AUS
+ EURO
+ USA
+ S. AMERICA

ECU IDENTIFICATION

PATS 3 SCP

PRESS ENTER KEY

CLEAR PATS 3 KEY
GAINING ACCESS

TIME REQUIRED 10:00
******

ACCESS STATUS
IN PROGRESS
BACK TO ABORT

VEHICLE SELECTION

+ MONDEO
+ PUMA
+ RANGER
+ S-MAX
+ TRANSIT CONNECT
+ TRANSIT

DIAGNOSTIC MENU

ECU IDENTIFICATION
FAULT CODES
ACTUATORS
> SPECIAL FUNCTIONS

PRESS ENTER KEY

The tester will now start to clear the PATS system from memory.

NOTE : If ACCESS STATUS IN PROGRESS is not displayed this indicates the incorrect system has been selected.

VEHICLE SELECTION

+ PETROL
+ DIESEL

DIAGNOSTIC MENU

CLEAR / ERASE PATS
KEYS PROGRAMMED
ADD KEY

PROGRAM KEYS

DISCONNECT TESTER
FROM VEHICLE

CYCLE KEYS TO PROGRAM

VEHICLE SELECTION

+ MANUAL
+ AUTOMATIC

KEYS PROGRAMED 2

PRESS ENTER KEY

After clearing, cycle the key in the ignition from ON to OFF and then back to ON. Then remove.
Repeat for second key.

After 2 minutes try starting with both keys.

SPECIAL FUNCTIONS

Ford D

PATS 3 (SCP)

KEY PROGRAMMING

Check the anti-theft warning light for each key. It should turn on for 2 seconds and then go off with each key.

Rapid flashing means either the key is faulty or un-programmed.

NOTES :
1. If an error is made, leave the ign on for 20 sec & insert both keys and turn ign ON. Then try starting again.
2. If the diagnostic session is called before other systems are allowed to settle, the counter will show 0.00 and access denied or coded access.

FINISHED

ADD KEY

DIAGNOSTIC MENU
ECU IDENTIFICATION
FAULT CODES
ACTUATORS
> SPECIAL FUNCTIONS
PRESS ENTER KEY

DIAGNOSTIC MENU
CLEAR / ERASE PATS
KEYS PROGRAMMED
ADD KEY

Using the ADD KEY function is the same as CLEAR / ERASE except it only programs the key in the ignition.

NOTES:
1. This function is not available on every vehicle e.g. Fleet vehicles

SPECIAL FUNCTIONS

Ford **D**

PATS 3 SCP (CODED)

KEY PROGRAMMING

> TURN IGNITION ON AND LET IMMOBILISER LED STOP FLASHING THEN CONNECT TESTER.
>
> A MINIMUM OF 2 KEYS IS REQUIRED.

SWITCH IGNITION ON
PRESS ENTER KEY

MIN KEYS REQUIRED: 2
CODED ACCESS
PRESS ENTER KEY

VEHICLE SELECTION
+ FORD
+ GM (USA)
+ GM / OPEL
+ HONDA / ACURA
+ HYUNDAI
+ INFINITI

ECU IDENTIFICATION
PATS 3 SCP
PRESS ENTER KEY

MIN KEYS REQUIRED: 2
CODED ACCESS
KEYS PROGRAMMED: 2
PRESS ENTER KEY

VEHICLE SELECTION
+ AUS
+ EURO
+ USA
+ S. AMERICA

DIAGNOSTIC MENU
ECU IDENTIFICATION
FAULT CODES
ACTUATORS
> SPECIAL FUNCTIONS
PRESS ENTER KEY

ACCESS GRANTED

VEHICLE SELECTION
+ MONDEO
+ PUMA
+ RANGER
+ S-MAX
+ TRANSIT CONNECT
+ TRANSIT

DIAGNOSTIC MENU
CLEAR / ERASE PATS
KEYS PROGRAMMED
ADD KEY

PROGRAM KEYS
DISCONNECT TESTER
FROM VEHICLE
CYCLE KEYS TO PROGRAM

VEHICLE SELECTION
+ PETROL
+ DIESEL

KEYS PROGRAMED 2
PRESS ENTER KEY

> CYCLE A MIN OF 2 KEYS.

VEHICLE SELECTION
96 / 97
97 / 98
98 > 07
07 >

DIAGNOSTIC MENU
CLEAR / ERASE PATS
KEYS PROGRAMMED
ADD KEY

PATS 3 SCP (CODED)

ADD KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
FAULT CODES
ACTUATORS
> SPECIAL FUNCTIONS

PRESS ENTER KEY

DIAGNOSTIC MENU

CLEAR / ERASE PATS
KEYS PROGRAMMED
ADD KEY

MIN KEYS REQUIRED: 2

CODED ACCESS

KEYS PROGRAMMED: 2

PRESS ENTER KEY

ACCESS GRANTED

ADD KEY
READING KEY
KEYS PROGRAMMED: 2
BACK' TO EXIT
ENTER' TO PROGRAM
NEXT KEY

THE KEY IN THE IGNITION GETS ADDED.

IF MORE KEYS ARE REQUIRED THEN REPEAT PROCEDURE.

PATS 3 CAN (CODED)

KEY PROGRAMMING

VEHICLE SELECTION
- **+ FORD**
- + GM (USA)
- + GM / OPEL
- + HONDA / ACURA
- + HYUNDAI
- + INFINITI

VEHICLE SELECTION
- + AUS
- **+ EURO**
- + USA
- + S. AMERICA

VEHICLE SELECTION
- **+ FOCUS**
- + GALAXY
- + FUSION
- + GRANADA / SCORPIO
- + KA
- + LTD

VEHICLE SELECTION
- **+ PETROL**
- + DIESEL

VEHICLE SELECTION
- **98 > 04**
- 05 >

SWITCH IGNITION ON

PRESS ENTER KEY

KEY PROGRAMMING

ECU IDENTIFICATION

05 FOCUS PATS 3 CAN

(P.C.M)

PRESS ENTER KEY

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

DIAGNOSTIC MENU
- CLEAR / ERASE PATS
- ADD KEY
- **KEYS PROGRAMMED**

KEYS PROGRAMED 2

PRESS ENTER KEY

DIAGNOSTIC MENU
- **CLEAR / ERASE PATS**
- KEYS PROGRAMMED
- ADD KEY

MIN KEYS REQUIRED: 2
CODED ACCESS

PRESS ENTER KEY

KEY PROGRAMMING

ACCESS GRANTED

PROGRAM KEYS

DISCONNECT TESTER

FROM VEHICLE

CYCLE KEYS TO PROGRAM

CYCLE A MIN OF 2 KEYS.

SPECIAL FUNCTIONS

Ford **D**

2007 CODED TRANSIT

KEY PROGRAMMING

> REMOTE IS PROGRAMMED AT THE SAME TIME AS THE KEY.
>
> MIN 2 KEYS MUST BE PROGRAMMED

SWITCH IGNITION ON

PRESS ENTER KEY

CLEAR / ERASE PATS

PROCEDURE COMPLETE

PRESS ENTER KEY

VEHICLE SELECTION

+ FORD
+ GM (USA)
+ GM / OPEL
+ HONDA / ACURA
+ HYUNDAI
+ INFINITI

ECU IDENTIFICATION

PATS 3 CAN

(P.C.M)

PRESS ENTER KEY

> **IMPORTANT**
> ONCE THE CORRECT CODE HAS BEEN ACCEPTED DO NOT DISCONNECT TESTER.
> PRESS ENTER AND SELECT ADD KEY FUNCTION TO NOW PROGRAM A KEY

VEHICLE SELECTION

+ AUS
+ EURO
+ USA
+ S. AMERICA

DIAGNOSTIC MENU

ECU IDENTIFICATION
> SPECIAL FUNCTIONS

PRESS ENTER KEY

DIAGNOSTIC MENU

CLEAR / ERASE PATS
ADD KEY
KEYS PROGRAMMED

VEHICLE SELECTION

+ MONDEO
+ PUMA
+ RANGER
+ S-MAX
+ TRANSIT CONNECT
+ TRANSIT

DIAGNOSTIC MENU

CLEAR / ERASE PATS
ADD KEY
KEYS PROGRAMMED

ADD KEY

KEYS PROGRAMMED: 1

BACK' TO EXIT

ENTER' TO PROGRAM

NEXT KEY

VEHICLE SELECTION

+ PETROL
+ DIESEL
+ DURA-TORQUE
+ EPIC

KEYS PROGRAMED 2

PRESS ENTER KEY

> REMOVE KEY FROM IGNITION AND INSERT NEXT KEY TO BE PROGRAMMED.

VEHICLE SELECTION

94 / 95
95 / 96
97 / 98
98 > 06
07 >

DIAGNOSTIC MENU

CLEAR / ERASE PATS
KEYS PROGRAMMED
ADD KEY

2007 CODED TRANSIT

KEY PROGRAMMING

ADD KEY

REMOVE KEY FROM IGN

INSERT NEXT KEY

SWITCH IGNITION ON

PRESS ENTER KEY

ADD KEY

KEYS PROGRAMMED: 2

BACK' TO EXIT

ENTER' TO PROGRAM

NEXT KEY

REMOVE KEY FROM IGNITION AND INSERT NEXT KEY TO BE PROGRAMMED.
OR ENTER TO FINISH

ADD KEY

PROCEDURE COMPLETE

PRESS ENTER KEY

FINISHED

2007 CODED FIESTA

KEY PROGRAMMING

> REMOTE IS PROGRAMMED AT THE SAME TIME AS THE KEY.
>
> MIN 2 KEYS MUST BE PROGRAMMED

SWITCH IGNITION ON

PRESS ENTER KEY

CLEAR KEYS

WARNING

ALL KEYS WILL BE

CLEARED

CONTINUE

✘   ✔

VEHICLE SELECTION

+ FORD

+ GM (USA)

+ GM / OPEL

+ HONDA / ACURA

+ HYUNDAI

+ INFINITI

ECU IDENTIFICATION

PATS 3 CAN

(P.C.M)

PRESS ENTER KEY

KEYS PROGRAMMED

KEYS PROGRAMED 2

KEY STATUS: PROG

PRESS ENTER KEY

VEHICLE SELECTION

+ AUS

+ EURO

+ USA

+ S. AMERICA

DIAGNOSTIC MENU

ECU IDENTIFICATION

> SPECIAL FUNCTIONS

PRESS ENTER KEY

CLEAR KEYS

SUCCESS

PRESS ENTER KEY

VEHICLE SELECTION

+ FAIRLANE

+ FAIRMONT

+ FIESTA/COURIER

+ FOCUS

+ GALAXY

+ FUSION

DIAGNOSTIC MENU

CLEAR KEYS

PROGRAM KEYS

KEYS PROGRAMMED

IMPORTANT

ONCE THE CORRECT CODE HAS BEEN ACCEPTED DO NOT DISCONNECT TESTER. PRESS ENTER AND SELECT PROGRAM KEYS FUNCTION TO PROGRAM KEY (S)

VEHICLE SELECTION

+ PETROL

+ DIESEL

KEYS PROGRAMMED

KEYS PROGRAMED 2

KEY STATUS: PROG

PRESS ENTER KEY

DIAGNOSTIC MENU

CLEAR KEYS

PROGRAM KEYS

KEYS PROGRAMMED

VEHICLE SELECTION

95 > 97

97 > 01

99 > 01

+01 > 07

08 >

DIAGNOSTIC MENU

CLEAR KEYS

PROGRAM KEYS

ADD KEY

KEYS PROGRAMMED

KEYS PROGRAMED 0

KEY STATUS: PROG

PRESS ENTER KEY

SPECIAL FUNCTIONS

Ford **D**

2007 CODED FIESTA

KEY PROGRAMMING

> IMMOBILISER WARNING LIGHT WILL FLASH TO INDICATE AN UNPROGRAMMED KEY IS IN THE IGNITION.

> CYCLE THE IGNITION WITH THE KEY.

DIAGNOSTIC MENU
CLEAR KEYS
PROGRAM KEYS
KEYS PROGRAMMED

DIAGNOSTIC MENU
CLEAR KEYS
PROGRAM KEYS
KEYS PROGRAMMED

KEYS PROGRAMMED

KEYS PROGRAMED 0

KEY STATUS: UNPROGRAMMED

PRESS ENTER KEY

> **IMPORTANT**
> IF YOU WANT TO PROGRAM MORE KEYS DO NOT
> DISCONNECT TESTER.
> PRESS ENTER AND SELECT PROGRAM
> KEYS FUNCTION TO PROGRAM ADDITIONAL KEY (S)
> REPEAT FOR ALL KEYS

ADDITIONAL KEYS

IGNIITION ON

PRESS ENTER KEY

FINISHED

ADDITIONAL KEYS

INSERT KEY TO PROGRAM

IGNITION ON

PRESS ENTER KEY

ADDITIONAL KEYS

SUCCESS

CYCLE IGNITION TO PROGRAM

PRESS ENTER KEY

SPECIAL FUNCTIONS

Ford **D**

CODED PROXIMITY

KEY PROGRAMMING

REMOTE IS PROGRAMMED AT THE SAME TIME AS THE PROXIMITY FOB.

MIN 2 KEYS MUST BE PROGRAMMED

VEHICLE SELECTION

+ NON PROXIMITY

+ PROXIMITY

KEYS PROGRAMMED

KEYS PROGRAMED: 2

PROG KEYS IN CABIN: 0

PRESS ENTER KEY

VEHICLE SELECTION

+ FORD

+ GM (USA)

+ GM / OPEL

+ HONDA / ACURA

+ HYUNDAI

+ INFINITI

ADDING KEYS
ENSURE KEY IS IN CABIN WHEN SWITCHING IGNITION ON.

LOST KEYS
PRESS THE IGNITION BUTTON ONCE ONLY. THIS WILL ALLOW THE TESTER TO COMMUNICATE. NO VISIBLE INDICATION SHOWS THE IGNITION IS ON.

DIAGNOSTIC MENU

CLEAR / PROGRAM KEYS

ADDITIONAL KEYS

KEYS PROGRAMMED

VEHICLE SELECTION

+ AUS

+ EURO

+ USA

+ S. AMERICA

SWITCH IGNITION ON

PRESS ENTER KEY

CLEAR KEYS

WARNING

ALL KEYS WILL BE

CLEARED

CONTINUE

✘   ✔

VEHICLE SELECTION

+ KA

+ LTD

+ MAVERICK

+ MONDEO

+ PUMA

+ RANGER

ECU IDENTIFICATION

PATS PROX CAN

PRESS ENTER KEY

KEYS PROGRAMMED

KEYS PROGRAMED: 2

PROG KEYS IN CABIN: 0

PRESS ENTER KEY

VEHICLE SELECTION

+ PETROL

+ DIESEL

DIAGNOSTIC MENU

ECU IDENTIFICATION

FAULT CODES

> SPECIAL FUNCTIONS

ADDING KEYS
ENSURE KEY IS IN CABIN WHEN SWITCHING IGNITION OFF.

LOST KEYS
PRESS THE IGNITION BUTTON ONCE ONLY.
NO VISIBLE INDICATION SHOWS THE IGNITION IS OFF.

VEHICLE SELECTION

96 > 97

97 > 98

98 > 07

+07 >

DIAGNOSTIC MENU

CLEAR / PROGRAM KEYS

ADDITIONAL KEYS

KEYS PROGRAMMED

CLEAR KEYS

IGNITION OFF

PRESS ENTER KEY

CODED PROXIMITY

KEY PROGRAMMING

ACCESS GRANTED

CLEAR KEYS
ACCESS GRANTED

CLEAR KEYS
SUCCESS
PRESS ENTER KEY

PROGRAM KEYS
2 KEYS REQUIRED
PRESS ENTER KEY

PROGRAM PROX FOB
WHEN PROMPTED PRESS
UNLOCK FOR 15 SEC
ON PROX FOB 1
PRESS ENTER KEY

THE PROX FOB MUST BE INSIDE THE VEHICLE CABIN WHILST BEING PRESSED.

PROGRAM PROX FOB
PRESS UNLOCK
FOR 15 SEC

PROGRAM PROX FOB
PROX FOB 1
SUCCESS
PRESS ENTER KEY

REMOVE BLANKING INSERT FROM KEY SLOT ON THE STEERING COLUMN.

PROGRAM TRANSPONDER
PLACE PROX FOB 1 IN
EMERGENCY KEY SLOT
PRESS ENTER KEY

PROGRAM TRANSPONDER
TRANSPONDER 1
SUCCESS
PRESS ENTER KEY

PROGRAM TRANSPONDER
REMOVE PROX FOB FROM
EMERGENCY KEY SLOT
PRESS ENTER KEY

PROGRAM PROX FOB
WHEN PROMPTED PRESS
UNLOCK FOR 15 SEC
ON PROX FOB 2
PRESS ENTER KEY

THE PROX FOB MUST BE INSIDE THE VEHICLE CABIN WHILST BEING PRESSED.

PROGRAM PROX FOB
PRESS UNLOCK
FOR 15 SEC

PROGRAM PROX FOB
PROX FOB 2
SUCCESS
PRESS ENTER KEY

PROGRAM TRANSPONDER
PLACE PROX FOB 2 IN
EMERGENCY KEY SLOT
PRESS ENTER KEY

PROGRAM TRANSPONDER
TRANSPONDER 2
SUCCESS
PRESS ENTER KEY

SPECIAL FUNCTIONS

Ford D

CODED PROXIMITY

KEY PROGRAMMING

PROGRAM TRANSPONDER

REMOVE PROX FOB FROM

EMERGENCY KEY SLOT

PRESS ENTER KEY

PROGRAM KEYS

2 KEYS PROGRAMMED

DO YOU WANT TO PROG

ADDITIONAL KEYS

✘   ✔

IF ANOTHER KEY REQUIRES
PROGRAMMING THE PROCESS
WILL BE REPEATED.

FINISHED

ADVANCED DIAGNOSTICS

SPECIAL FUNCTIONS

Ford D

2007 CODED - NON PROX

KEY PROGRAMMING

REMOTE IS PROGRAMMED AT THE SAME TIME AS THE PROXIMITY FOB.

MIN 2 KEYS MUST BE PROGRAMMED

VEHICLE SELECTION

+ **NON PROXIMITY**

+ PROXIMITY

DIAGNOSTIC MENU

CLEAR / ERASE PATS

KEYS PROGRAMMED

ADD KEY

VEHICLE SELECTION

+ **FORD**

+ GM (USA)

+ GM / OPEL

+ HONDA / ACURA

+ HYUNDAI

+ INFINITI

SWITCH IGNITION ON

PRESS ENTER KEY

CLEAR / ERASE PATS

PROCEDURE COMPLETE

PRESS ENTER KEY

VEHICLE SELECTION

+ AUS

+ **EURO**

+ USA

+ S. AMERICA

ECU IDENTIFICATION

PATS NON-PROX CAN

PRESS ENTER KEY

IMPORTANT

ONCE THE CORRECT CODE HAS BEEN ACCEPTED DO NOT DISCONNECT TESTER. PRESS ENTER AND SELECT ADD KEY FUNCTION TO NOW PROGRAM A KEY

VEHICLE SELECTION

+ **MONDEO**

+ PUMA

+ RANGER

+ S-MAX

+ TRANSIT CONNECT

+ TRANSIT

DIAGNOSTIC MENU

ECU IDENTIFICATION

> **SPECIAL FUNCTIONS**

PRESS ENTER KEY

DIAGNOSTIC MENU

CLEAR / ERASE PATS

ADD KEY

KEYS PROGRAMMED

VEHICLE SELECTION

+ PETROL

+ **DIESEL**

DIAGNOSTIC MENU

CLEAR / ERASE PATS

ADD KEY

KEYS PROGRAMMED

ADD KEY

KEYS PROGRAMMED: 1

BACK' TO EXIT

ENTER' TO PROGRAM

NEXT KEY

VEHICLE SELECTION

96 > 97

97 > 98

98 > 07

+**07 >**

KEYS PROGRAMED 2

PRESS ENTER KEY

REMOVE KEY FROM IGNITION AND INSERT NEXT KEY TO BE PROGRAMMED.

Ford **D**

2007 CODED - NON PROX

KEY PROGRAMMING

ADD KEY

REMOVE KEY FROM IGN
INSERT NEXT KEY
SWITCH IGNITION ON

PRESS ENTER KEY

ADD KEY

KEYS PROGRAMMED: 2
BACK' TO EXIT
ENTER' TO PROGRAM
NEXT KEY

REMOVE KEY FROM IGNITION AND INSERT NEXT KEY TO BE PROGRAMMED.
OR ENTER TO FINISH

ADD KEY

PROCEDURE COMPLETE

PRESS ENTER KEY

FINISHED

ADVANCED DIAGNOSTICS

FALCON - BEM

KEY PROGRAMMING

VEHICLE SELECTION
+ FORD
+ GM (USA)
+ GM / OPEL
+ HONDA / ACURA
+ HYUNDAI
+ INFINITI

VEHICLE SELECTION
+ AUS
+ EURO
+ USA
+ S. AMERICA

VEHICLE SELECTION
+ AU FALCON
+ BA FALCON
+ BF FALCON

VEHICLE SELECTION
+ BEM
+ PCM

SWITCH IGNITION OFF

PRESS ENTER KEY

ECU IDENTIFICATION
FALCON BEM PATS

PRESS ENTER KEY

DIAGNOSTIC MENU
ECU IDENTIFICATION
FAULT CODES
> SPECIAL FUNCTIONS

PRESS ENTER KEY

DIAGNOSTIC MENU
CLEAR / ERASE PATS
KEYS PROGRAMMED

PRESS ENTER KEY

SWITCH IGNITION OFF

PRESS ENTER KEY

CLEAR / ERASE PATS
WAITING TO CLEAR

BACK TO ABORT

CLEAR / ERASE PATS
CODE CLEARED

BACK TO ABORT

PROGRAM KEYS

SWITCH IGN. ON WITHIN 5 SEC
REMOVE KEYS FROM IGN.
INSERT NEXT KEY
REPEAT FOR ALL KEYS

PRESS ENTER KEY

Once all keys have been programmed press **ENTER**.

FINISHED

SPECIAL FUNCTIONS

Ford **D**

FALCON - PCM

KEY PROGRAMMING

VEHICLE SELECTION
+ FORD
+ GM (USA)
+ GM / OPEL
+ HONDA / ACURA
+ HYUNDAI
+ INFINITI

VEHICLE SELECTION
+ AUS
+ EURO
+ USA
+ S. AMERICA

VEHICLE SELECTION
+ AU FALCON
+ BA FALCON
+ BF FALCON

VEHICLE SELECTION
+ BEM
+ PCM

SWITCH IGNITION ON
PRESS ENTER KEY

ECU IDENTIFICATION
FALCON PCM PATS
PRESS ENTER KEY

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

DIAGNOSTIC MENU
PARAMETER RESET
PRESS ENTER KEY

PROGRAM KEYS
TIMED ACCESS
CLEAR TIME 10:00
PRESS ENTER KEY

CLEAR / ERASE PATS
GAINING ACCESS
TIME REQUIRED 10:00

******

BACK TO ABORT

CLEAR / ERASE PATS
ACCESS GRANTED

BACK TO ABORT

PROGRAM KEYS
PROCEDURE COMPLETE

SWITCH IGNITION OFF

The key in the ignition is now Programmed.

A minimum of 2 keys are required to finish the programming sequence.

To program in the additional keys, insert each key and cycle the key in the ignition from OFF to ON and then back to OFF. Then remove.
Repeat for second key.

After 2 minutes try starting with both keys.

FINISHED

SPECIAL FUNCTIONS

Ford D

BA FALCON / SX TERRITORY

KEY PROGRAMMING

TURN IGNITION ON AND LEAVE FOR 30 SECONDS BEFORE CONNECTING THE TESTER.

A MINIMUM OF 2 KEYS IS REQUIRED.

DIAGNOSTIC MENU

ECU IDENTIFICATION

> SPECIAL FUNCTIONS

PRESS ENTER KEY

Failure to Press Enter before cycling keys will result in a failed key programming session and MVP Token loss where applicable

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VEHICLE SELECTION

+ FORD

+ GM (USA)

+ GM / OPEL

+ HONDA / ACURA

+ HYUNDAI

+ INFINITI

DIAGNOSTIC MENU

CLEAR PATS SYSTEM

PRESS ENTER KEY

WHEN PROMPTED WITHIN 10

SEC TURN IGN ON WITH 1ST

KEY THEN WITHIN 5 SECONDS

INSERT 2ND KEY AND

TURN IGNITION ON

PRESS ENTER KEY

VEHICLE SELECTION

+ AUS

+ EURO

+ USA

+ S. AMERICA

CLEAR / ERASE PATS
MIN 2 KEYS REQUIRED

CONTINUE

YES = ENTER   NO = BACK

PRESS BACK WHEN FINISHED

VEHICLE SELECTION

+ AU FALCON

+ BA FALCON

+ BF FALCON

SWITCH IGNITION OFF

PRESS ENTER KEY

TIMED ACCESS
GAINING ACCESS

TIME REQUIRED   10:00

******

ACCESS STATUS
IN PROGRESS
BACK TO ABORT

SWITCH IGNITION ON

PRESS ENTER KEY

DO NOT REMOVE KEY

ENSURE ALL DOORS

ARE CLOSED

PRESS ENTER KEY

ACCESS GRANTED

ECU IDENTIFICATION

FALCON PATS 3 CAN

PRESS ENTER KEY

WARNING NOTE
On the following screen when the ENTER key is pressed the door locks will cycle which is the prompt to cycle the keys through the ignition.

When 10 min. has passed screen will return to diagnostics menu. Switch ign off. Door locks will lock Using same key switch ignition ON, then OFF. Start vehicle.

BF FALCON / SY TERRITORY

KEY PROGRAMMING

TURN IGNITION ON AND LEAVE FOR
30 SECONDS BEFORE CONNECTING
THE TESTER.

A MINIMUM OF 2 KEYS IS REQUIRED.

DIAGNOSTIC MENU

ECU IDENTIFICATION

> SPECIAL FUNCTIONS

PRESS ENTER KEY

VEHICLE SELECTION

+ FORD

+ GM (USA)

+ GM / OPEL

+ HONDA / ACURA

+ HYUNDAI

+ INFINITI

DIAGNOSTIC MENU

CLEAR/ ERASE PATS

PARAMETER RESET

PRESS ENTER KEY

VEHICLE SELECTION

+ AUS

+ EURO

+ USA

+ S. AMERICA

CLEAR / ERASE PATS
MIN 2 KEYS REQUIRED

CONTINUE

YES = ENTER   NO = BACK

VEHICLE SELECTION

+ AU FALCON

+ BA FALCON

+ BF FALCON

CLEAR / ERASE PATS

ACCESS GRANTED

PRESS ENTER KEY

SWITCH IGNITION ON

PRESS ENTER KEY

CLEAR / ERASE PATS

SWITCH IGN OFF

DO NOT REMOVE KEY

ENSURE ALL DOORS

ARE CLOSED

PRESS ENTER KEY

ECU IDENTIFICATION

BF FALCON PATS 3 CAN

PRESS ENTER KEY

Ford D

BF FALCON / SY TERRITORY

KEY PROGRAMMING

> When ENTER pressed door locks will lock

WHEN PROMPTED WITHIN 10
SEC TURN IGN ON WITH 1ST
KEY THEN WITHIN 5 SECONDS
INSERT 2ND KEY AND
TURN IGNITION ON

PRESS ENTER KEY

PRESS BACK WHEN FINISHED

SWITCH IGNITION OFF

PRESS ENTER KEY

SWITCH IGNITION ON

PRESS ENTER KEY

DISCONNECT TESTER
AND PERFORM
PARAMETER RESET

PRESS ENTER KEY

PARAMETER RESET

> TO COMPLETE THE PROGRAMMING PROCEDURE PLEASE DISCONNECT THE TESTER AND RE-START. THEN SELECT PARAMETER RESET

DIAGNOSTIC MENU

CLEAR/ ERASE PATS

PARAMETER RESET

PRESS ENTER KEY

ACCESS GRANTED

LOCKS SHOULD CYCLE
IF PARAMETER RESET
SUCCESSFUL

PRESS ENTER KEY

SWITCH IGNITION OFF

PRESS ENTER KEY

SWITCH IGNITION ON

PRESS ENTER KEY

SWITCH IGNITION OFF

PRESS ENTER KEY

DISCONNECT TESTER

ADVANCED DIAGNOSTICS

SPECIAL FUNCTIONS

Ford **D**

FG FALCON

KEY PROGRAMMING

VEHICLE SELECTION

+ **FORD**
+ GM (USA)
+ GM / OPEL
+ HONDA / ACURA
+ HYUNDAI
+ INFINITI

VEHICLE SELECTION

+ **AUS**
+ EURO
+ USA
+ S.AMERICA

VEHICLE SELECTION

+ FAIRLANE
+ AU FALCON
+ BA FALCON
+ BF FALCON
+ **FG FALCON**

VEHICLE SELECTION

+ **BEM**
+ ICM
+ PCM

SWITCH IGNITION ON

PRESS ENTER KEY

ECU IDENTIFICATION

FG FALCON BEM

PRESS ENTER KEY

KEY PROGRAMMING

DIAGNOSTIC MENU

ECU IDENTIFICATION

SPECIAL FUNCTIONS

PRESS ENTER KEY

DIAGNOSTIC MENU

CLEAR KEYS

KEYS PROGRAMMED

PRESS ENTER KEY

DIAGNOSTIC MENU

KEYS PROGRAMMED : 02

PRESS ENTER KEY

DIAGNOSTIC MENU

CLEAR KEYS

KEYS PROGRAMMED

PRESS ENTER KEY

CLEAR ERASE PATS

2 KEYS REQUIRED

DO YOU WANT TO

CONTINUE

✘ ✔

CLEAR ERASE PATS

TURN IGNITION OFF

DO NOT REMOVE KEY

ENSURE ALL DOORS

ARE CLOSED

PRESS ENTER KEY

KEY PROGRAMMING

CLEAR ERASE PATS

WHEN PROMPTED TURN

IGN ON WITH 1ST KEY

WITHIN 10 SECS THEN

TURN IGN ON WITH 2ND

KEY WITHIN 5 SECS

PRESS ENTER KEY

CLEAR ERASE PATS

SWITCH IGNITION ON

KEYS PROGRAMMED : 00

TIME : 09

PRESS ENTER KEY

CLEAR ERASE PATS

SWITCH IGNITION ON

KEYS PROGRAMMED : 01

TIME : 07

PRESS ENTER KEY

CLEAR ERASE PATS

REMOVE KEY FROM IGN

THEN INSERT NEXT KEY

SWITCH IGN ON

KEYS PROGRAMMED : 02

TIME : 07

PRESS ENTER KEY

CLEAR ERASE PATS

SWITCH IGNITION OFF

PRESS ENTER KEY

➡

SPECIAL FUNCTIONS

Ford D
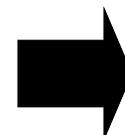
FG FALCON

KEY PROGRAMMING

SWITCH IGNITION ON

PRESS ENTER KEY

CLEAR ERASE PATS

DISCONNECT TESTER
RECONNECT AND
PERFORM PARAMETER
RESET ON ICM

PRESS ENTER KEY

VEHICLE SELECTION

+ BEM
+ ICM
+ PCM

SWITCH IGNITION ON

PRESS ENTER KEY

ECU IDENTIFICATION

FG FALCON IC

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
SPECIAL FUNCTIONS

PRESS ENTER KEY

KEY PROGRAMMING

DIAGNOSTIC MENU

PARAMETER RESET
ICM

PARAMETER RESET ICM

INCODE OUTCODE

ACCESS GRANTED

PARAMETER RESET ICM

SWITCH IGNITION OFF

PRESS ENTER KEY

PARAMETER RESET ICM

SWITCH IGNITION ON

PRESS ENTER KEY

CLEAR ERASE PATS

DISCONNECT AD100PRO
INSERT DONGLE A
PERFORM PARAMETER
RESET ON PCM

KEY PROGRAMMING

VEHICLE SELECTION

+ BEM
+ ICM
+ PCM

SWITCH IGNITION ON

PRESS ENTER KEY

ECU IDENTIFICATION

FG FALCON

VIN : 6FPAAAJGSWA123456

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
SPECIAL FUNCTIONS

PRESS ENTER KEY

DIAGNOSTIC MENU
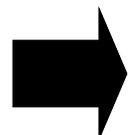
PARAMETER RESET
PCM

FG FALCON

KEY PROGRAMMING

PARAMETER RESET PCM
INCODE OUTCODE

ACCESS GRANTED

PARAMETER RESET PCM
PLEASE WAIT
* * * * * * *

PARAMETER RESET ICM
SWITCH IGNITION OFF
PRESS ENTER KEY

PARAMETER RESET PCM
PLEASE WAIT
* * * * * * *

PARAMETER RESET ICM
SWITCH IGNITION ON
PRESS ENTER KEY

KEY PROGRAMMING

PARAMETER RESET PCM
PLEASE WAIT
* * * * * * *

PARAMETER RESET ICM
SWITCH IGNITION OFF
PRESS ENTER KEY

PARAMETER RESET PCM
PLEASE WAIT
* * * * * * *

PARAMETER RESET ICM
SWITCH IGNITION ON
PRESS ENTER KEY

PARAMETER RESET PCM
DISCONNECT AD100PRO
PROCEDURE COMPLETE

WWW.ADVANCED-DIAGNOSTICS.CO.UK

WWW.ADUSA.US

Ford Coded 2014 - ADS222 - NON PROX

KEY PROGRAMMING

VEHICLE SELECTION
+ FORD
+ GM (USA)
+ GM / OPEL
+ HONDA / ACURA
+ HYUNDAI
+ INFINITI

PLEASE WAIT
TRYING TO COMMUNICATE

CLEAR KEYS
2 KEYS ARE REQUIRED
PRESS ENTER KEY

VEHICLE SELECTION
+ AUS
+ EURO
+ USA
+ S. AMERICA

ECU IDENTIFICATION
FORD
VIN: WF0MXXGCBMCS02613
KEYS PROGRAMMED : 02
PRESS ENTER KEY

CLEAR KEYS
PLEASE WAIT

VEHICLE SELECTION
+ B MAX
+ C MAX
+ COUGAR
+ GALAXY
+ FUSION
+ FOCUS

DIAGNOSTIC MENU
ECU IDENTIFICATION
SPECIAL FUNCTIONS
PRESS ENTER KEY

FORD CODED
PLEASE WAIT GENERATING
REQUEST.
USE THE QR CODE MOBILE APP
TO GET RESPONSE.
PRESS F3 TO MANUALLY ENTER CODE USING WEB SITE
PRESS ENTER KEY

VEHICLE SELECTION
+ NON PROXIMITY
+ PROXIMITY
PRESS ENTER KEY

DIAGNOSTIC MENU
> CLEAR KEYS
ADD KEY
KEYS PROGRAMMED
PRESS ENTER KEY

123..	>

VEHICLE SELECTION
98 > 04
05 > 11
2011 >
PRESS ENTER KEY

> SELECT CLEAR KEYS IF REQUIRED
> OR
> JUST ADD KEY

> SIGN IN TO THE QR APP USING YOUR AD FORUM LOGIN DETAILS AND YOU CAN SCAN THE QR CODE DISPLAYED ON THE TESTER WITH YOUR SMARTPHONE OR SELECT **123...** TO GET FULL CODE TO INPUT INTO THE AD WEBSITE

LEAVE IGNITION OFF
PRESS ENTER KEY

CLEAR KEYS
WARNING
ALL KEYS WILL BE CLEARED
CONTINUE?
✗ ✓

SPECIAL FUNCTIONS

Ford D

Ford Coded 2014 - ADS222 - NON PROX

KEY PROGRAMMING

AFTER THE CODE IS SCANNED YOU WILL BE REDIRECTED TO A LOGIN SCREEN ON THE QR APP CLICK ON THE DROP DOWN LOGIN TYPE BUTTON

IF THE INCODE IS IN THE DATA BASE YOU WILL AUTOMATICALLY GO TO
STEP 1
IF NOT CONTINUE

DEPENDANT ON YOUR INTERNET CONNECTION SPEED YOU WILL RECEIVE AN OUTCODE WITHIN SECONDS.

TYPE THIS INTO THE TESTER
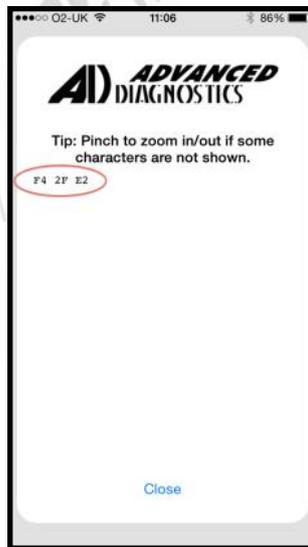
CODED ACCESS

SEC WAIT

THIS MAY TAKE UP TO 5 HOURS

CONNECT BATTERY CHARGER

PLEASE WAIT

ADVANCED DIAGNOSTICS

We need some extra information. Please Complete the fields below and click send.

Login Type — Dealer (instant) ▼

Username

Password

Login Type

Cancel

Dealer (instant)

Nastf (instant)

None (up to 5hr procedure)

ADVANCED DIAGNOSTICS

Tip: Pinch to zoom in/out if some characters are not shown.

F4 2F E2

Close

CODED ACCESS

SUCCESS

ONLINE DATA REQUEST

REQUIRED TO COMPLETE

PRESS ENTER KEY

FORD CODED

PLEASE WAIT GENERATING

REQUEST.

USE THE QR CODE MOBILE APP

TO GET RESPONSE.

PRESS F3 TO MANUALLY ENTER CODE USING WEB SITE

PRESS ENTER KEY

IF YOU HAVE A FORD DEALER LOGIN - ENTER IT HERE TO GAIN INSTANT ACCESS. **IF YES YOU WILL AUTOMATICALLY GO TO**
STEP 1

IF NOT SELECT NONE TO CONTINUE.
FOR THIS EXAMPLE WE WILL SELECT NONE

FORD CODED

_ _ _ _ _ _

1	2	3	4	5
6	7	8	9	0

123.. >

FORD CODED

F4 2E E2

✘ ✔

SCAN THE QR IMAGE AGAIN WITH YOUR SMARTPHONE AND RECEIVE THE ONLINE DATA TO COMPLETE THE PROCEDURE

ADVANCED DIAGNOSTICS

We need some extra information. Please Complete the fields below and click send.

Login Type — None...cedure) ▼

Username — Not Required

Password — Not Required

Close   Send

STEP 1 ⇨

ADVANCED DIAGNOSTICS

Tip: Pinch to zoom in/out if some characters are not shown.

63 AA 4D
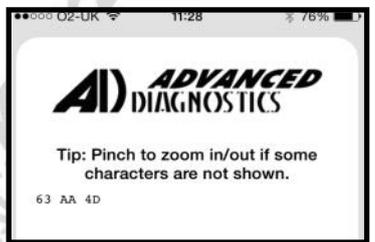
Ford Coded 2014 - ADS222 - NON PROX

KEY PROGRAMMING

> NOW TYPE IN THE FINAL DATA CODE DISPLAYED ON YOUR SMART PHONE INTO THE TESTER

```
FORD CODED
__ __ __
```

1	2	3	4	5
6	7	8	9	0

```
FORD CODED

63   AA   4D
```

✗   ✓

```
CODED ACCESS

SUCCESS
```

```
CLEAR KEYS
SUCCESS
CYCLE KEYS TO PROGRAM
KEYS PROGRAMMED :0
PRESS BACK TO EXIT
PRESS ENTER KEY
```

> INSERT KEYS INTO THE IGNITION AND TURN IGNITION ON / OFF TO PROGRAM THEM INTO THE VEHICLE.
> BOTH KEYS WILL BE PROGRAMMED

```
CLEAR KEYS
SUCCESS
CYCLE KEYS TO PROGRAM
KEYS PROGRAMMED :2
PRESS BACK TO EXIT
PRESS ENTER KEY
```

> CHECK REMOTES WORK AND THE KEY STARTS THE VEHICLE

SPECIAL FUNCTIONS

Ford D

Ford Coded 2013 - ADS222 - PROX

PROGRAM PROX

VEHICLE SELECTION
- **+ FORD**
- + GM (USA)
- + GM / OPEL
- + HONDA / ACURA
- + HYUNDAI
- + INFINITI

VEHICLE SELECTION
- + AUS
- **+ EURO**
- + USA
- + S. AMERICA

VEHICLE SELECTION
- + B MAX
- + C MAX
- + COUGAR
- + GALAXY
- + FUSION
- **+ FOCUS**

VEHICLE SELECTION
- + NON PROXIMITY
- **+ PROXIMITY**

PRESS ENTER KEY

VEHICLE SELECTION
- **98 > 04**
- 05 > 11
- **2011 >**

PRESS ENTER KEY

VEHICLE SELECTION
- **TRANSPONDER PART**
- PROX PART

PRESS ENTER KEY

LEAVE IGNITION OFF

PRESS ENTER KEY

PLEASE WAIT
TRYING TO COMMUNICATE

ECU IDENTIFICATION

FORD PROX

PRESS ENTER KEY

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

PRESS ENTER KEY

DIAGNOSTIC MENU
- CLEAR / PROGRAM PROX
- PROGRAM PROX
- **> PROX KEYS PROGRAMMED**

PRESS ENTER KEY

KEYS PROGRAMMED

KEYS PROGRAMMED :2

PROG KEYS IN CABIN :0

PRESS ENTER KEY

DIAGNOSTIC MENU
- **> CLEAR / PROGRAM PROX**
- PROGRAM PROX
- PROX KEYS PROGRAMMED

PRESS ENTER KEY

CLEAR KEYS

WARNING
ALL KEYS WILL BE CLEARED
CONTINUE?

✗   ✓

FORD CODED

PLEASE WAIT GENERATIING

REQUEST

USE THE QR CODE MOBILE APP TO

GET RESPONSE

PRESS F3 TO MANUALLY ENTER

CODE USING WEBSITE

123.. >

SIGN IN TO THE QR APP
USING YOUR AD FORUM
LOGIN DETAILS AND YOU
CAN SCAN THE QR CODE
DISPLAYED ON THE TESTER
WITH YOUR SMARTPHONE
OR
SELECT **123...** TO GET FULL
CODE TO INPUT INTO THE
AD WEBSITE

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Ford **D**

Ford Coded 2013 - ADS222 - PROX

PROGRAM PROX

AFTER THE CODE IS SCANNED YOU WILL BE REDIRECTED TO A LOGIN SCREEN ON THE QR APP

IF THE INCODE IS IN THE DATA BASE YOU WILL HAVE INSTANT ACCESS AUTOMATICALLY IF NOT CONTINUE
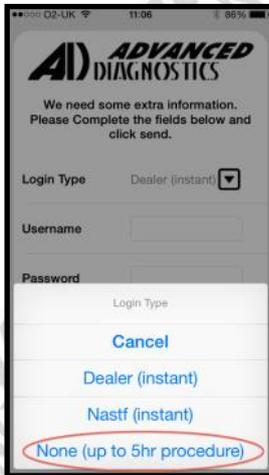
DEPENDANT ON INTERNET CONNECTION

WITHIN SECONDS YOU WILL RECEIVE AN OUT CODE. TYPE THIS INTO THE TESTER
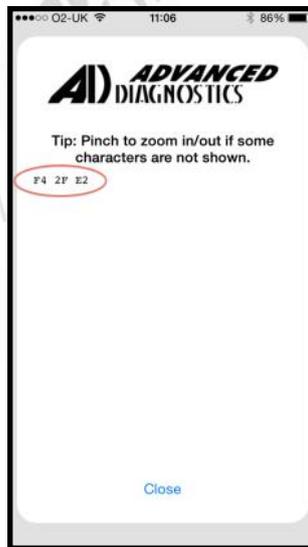
CODED ACCESS

SUCCESS

ONLINE DATA REQUEST REQUIRED

TO COMPLETE

PRESS ENTER KEY

ADVANCED DIAGNOSTICS

We need some extra information. Please Complete the fields below and click send.

Login Type	Dealer (instant) ▼
Username	
Password	

Login Type

Cancel

Dealer (instant)

Nastf (instant)

None (up to 5hr procedure)

ADVANCED DIAGNOSTICS

Tip: Pinch to zoom in/out if some characters are not shown.

F4 2F E2

Close

FORD CODED

PLEASE WAIT GENERATING

REQUEST.

USE THE QR CODE MOBILE APP

TO GET RESPONSE.

PRESS F3 TO MANUALLY ENTER CODE USING WEB SITE

PRESS ENTER KEY

123.. >
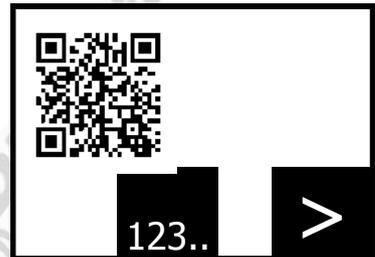
IF YOU HAVE A FORD DEALER LOGIN - ENTER IT HERE TO GAIN INSTANT ACCESS.

IF NOT SELECT NONE TO CONTINUE.

FORD CODED

_ _ _ _ _ _

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

SCAN THE QR CODE DISPLAYED ON THE TESTER WITH YOUR SMARTPHONE OR SELECT **123...** TO GET FULL CODE TO INPUT INTO THE AD WEBSITE

A CODE WILL BE DISPLAYED ON THE SMART PHONE ENTER INTO TESTER
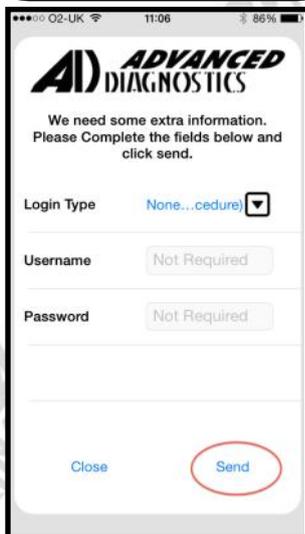
ADVANCED DIAGNOSTICS

We need some extra information. Please Complete the fields below and click send.

Login Type	None...cedure) ▼
Username	Not Required
Password	Not Required

Close   Send

FORD CODED

F4 2E E2

✘   ✔

CODED ACCESS

SEC WAIT

THIS MAY TAKE UP TO 5 HOURS

CONNECT BATTERY CHARGER

PLEASE WAIT

FORD CODED

_ _ _ _ _ _

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

SPECIAL FUNCTIONS

Ford **D**

Ford Coded 2013 - ADS222 - PROX

PROGRAM PROX

FORD CODED
F4 2E E2

CLEAR PROX
SUCCESS
PRESS ENTER KEY

PROGRAM PROX
2 KEYS REQUIRED
PRESS ENTER KEY

PROGRAM PROX
PRESS UNLOCK
FOR 15 SECS

PROGRAM PROX
SUCCESS
PRESS ENTER KEY

REPEAT THE PROCEDURE
FOR THE SECOND PROX KEY

PROGRAM TRANSPONDER

IF TRANSPONDER PROGRAMMING IS REQUIRED SWITCH OFF TESTER AND USE DONGLE G TO CONTINUE

VEHICLE SELECTION
+ FORD
+ GM (USA)
+ GM / OPEL
+ HONDA / ACURA
+ HYUNDAI
+ INFINITI

VEHICLE SELECTION
+ AUS
+ EURO
+ USA
+ S. AMERICA

VEHICLE SELECTION
+ B MAX
+ C MAX
+ COUGAR
+ GALAXY
+ FUSION
+ FOCUS

VEHICLE SELECTION
+ NON PROXIMITY
+ PROXIMITY
PRESS ENTER KEY

VEHICLE SELECTION
98 > 04
05 > 11
2011 >
PRESS ENTER KEY

VEHICLE SELECTION
> TRANSPONDER PART
PROX PART
PRESS ENTER KEY

LEAVE IGNITION OFF
PRESS ENTER KEY

PLEASE WAIT
TRYING TO COMMUNICATE

ECU IDENTIFICATION
FORD
VIN: WF0KXXGCBMCS02613
KEYS PROGRAMMED : 02
PRESS ENTER KEY

DIAGNOSTIC MENU
ECU IDENTIFICATION
SPECIAL FUNCTIONS
PRESS ENTER KEY

Ford Coded 2013 - ADS222 - PROX

PROGRAM TRANSPONDER

DIAGNOSTIC MENU

CLEAR TRANSPONDERS

PROGRAM TRANSPONDERS

> TRANSPONDERS PROGRAMMED

KEYS PROGRAMMED

KEYS PROGRAMMED: 2

PRESS ENTER KEY

DIAGNOSTIC MENU

> CLEAR TRANSPONDERS

PROGRAM TRANSPONDERS

TRANSPONDERS PROGRAMMED

CLEAR KEYS

WARNING
ALL KEYS WILL BE CLEARED
CONTINUE?

✘   ✓

FORD CODED

PLEASE WAIT GENERATING
REQUEST.

USE THE QR CODE MOBILE APP
TO GET RESPONSE.

PRESS F3 TO MANUALLY ENTER
CODE USING WEB SITE

PRESS ENTER KEY

IF YOU HAVE A FORD DEALER
LOGIN - ENTER IT HERE TO GAIN
INSTANT ACCESS.

IF NOT SELECT NONE TO
CONTINUE. WE WILL USE DEALER
LOGIN AS AN EXAMPLE

123..   >

●●○○○ O2-UK 🖵   11:28   ✷ 76% 🔋

We need some extra information.
Please Complete the fields below and
click send.

Login Type   Dealer (instant) ▼

Username   ▬▬▬▬▬

Password   ●●●●●●|

1 2 3 4 5 6 7 8 9 0

- / : ; ( ) £ & @ "

#+= . , ? ! ' ⌫

ABC   space   return

●●○○○ O2-UK 🖵   11:28   ✷ 76% 🔋

AD) ADVANCED DIAGNOSTICS

Tip: Pinch to zoom in/out if some
characters are not shown.

63 AA 4D

Close

FORD CODED

_ _ _ _ _

1	2	3	4	5
6	7	8	9	0

FORD CODED

F4   2E   E2

✘   ✓

CLEAR TRANSPONDERS

SUCCESS

PRESS ENTER KEY

PROGRAM TRANSPONDER

HOLD PROX FOB

ON THE FLAT SPOT

OF STEERING COLUMN

PRESS ENTER KEY

PROGRAM TRANSPONDERS

SUCCESS

PRESS ENTER KEY

PROGRAM TRANSPONDER

DO YOU WANT TO PROGRAM
ANOTHER TRANSPONDER

✘   ✓

REPEAT PROCEDURE TO
PROGRAM SECOND KEY

SPECIAL FUNCTIONS

Ford **D**

Ford 20 Byte Bypass - ADS209 - PROX

PROGRAM & CLEAR KEYS

> A MINIMUM OF 2 KEYS ARE REQUIRED.
>
> PROGRAMMING IS POSSIBLE FROM A LOST KEY SITUATION
>
> NO PINCODE REQUIRED

LEAVE IGNITION OFF

PRESS ENTER KEY

PLEASE WAIT

GAINING ACCESS

THIS CAN TAKE 5 MINS

VEHICLE SELECTION
+ FORD
+ GM (USA)
+ GM / OPEL
+ HONDA / ACURA
+ HYUNDAI
+ INFINITI

PLEASE WAIT

TRYING TO COMMUNICATE

ACCESS GAINED

PRESS ENTER KEY

VEHICLE SELECTION
+ AFRICA
+ ASIA
+ EURO
+ INDIA
+ ISRAEL
+ SOUTH AMERICA

ECU IDENTIFICATION
FORD
VIN: 3FA6XXGCBMCS02640
KEYS PROGRAMMED : 03
PRESS ENTER KEY

CLEAR KEYS
SUCCESS
PRESS ENTER KEY

VEHICLE SELECTION
+ B MAX
+ C MAX
+ COUGAR
+ GALAXY
+ FUSION
+ MONDEO

DIAGNOSTIC MENU
ECU IDENTIFICATION
SPECIAL FUNCTIONS
PRESS ENTER KEY

> ALL KEYS ARE CLEARED ANY KEYS NOT PRESENT CAN BE PROGRAMMED AT A LATER DATE

VEHICLE SELECTION
98 > 04
05 > 11
2015 >
PRESS ENTER KEY

DIAGNOSTIC MENU
> CLEAR & PROGRAM KEYS
PROGRAM KEYS
PRESS ENTER KEY

PROGRAM KEYS
INSERT KEY
INTO SLOT
PRESS ENTER KEY

VEHICLE SELECTION
+ NON PROXIMITY
+ PROXIMITY
PRESS ENTER KEY

PROGRAM KEYS
WARNINS
AT LEAST 2 KEYS NEEDED
TO START ENGINE
PRESS ENTER KEY

Programming Slot in Centre Console

ADVANCED DIAGNOSTICS

SPECIAL FUNCTIONS

D

Ford 20 Byte Bypass - ADS209 - PROX

PROGRAM & CLEAR KEYS

PROGRAM KEYS

PLEASE WAIT

Programming Slot in Centre Console

TRANSPONDER AND REMOTE
ARE PROGRAMMED AT THE SAME TIME

PROGRAM KEYS

PLEASE WAIT

PROGRAM KEYS

SUCCESS

PRESS ENTER KEY

CLEAR KEYS

SUCCESS

PRESS ENTER KEY

2ND KEY WILL NEED TO BE PROGRAMMED

PROCEDURE

COMPLETE

PROGRAM KEYS

DO YOU WANT TO PROGRAM ANOTHER KEY?

✘ ✓

PROGRAM KEYS

INSERT KEY
INTO SLOT

PRESS ENTER KEY

ADVANCED DIAGNOSTICS

Ford 20 Byte Bypass - ADS209 - Bladed

PROGRAM & CLEAR KEYS

A MINIMUM OF 2 KEYS ARE REQUIRED.

PROGRAMMING IS POSSIBLE FROM A LOST KEY SITUATION

NO PINCODE REQUIRED

VEHICLE SELECTION
+ **FORD**
+ GM (USA)
+ GM / OPEL
+ HONDA / ACURA
+ HYUNDAI
+ INFINITI

VEHICLE SELECTION
+ AFRICA
+ **ASIA**
+ **EURO**
+ INDIA
+ ISRAEL
+ SOUTH AMERICA

VEHICLE SELECTION
+ B MAX
+ C MAX
+ COUGAR
+ GALAXY
+ FUSION
+ **MONDEO**

VEHICLE SELECTION
98 > 04
05 > 11
2015 >

PRESS ENTER KEY

VEHICLE SELECTION
+ **NON PROXIMITY**
+ PROXIMITY

PRESS ENTER KEY

LEAVE IGNITION OFF

PRESS ENTER KEY

PLEASE WAIT
TRYING TO COMMUNICATE

ECU IDENTIFICATION

FORD

VIN: 3FA6XXGCBMCS02650

KEYS PROGRAMMED : 03

PRESS ENTER KEY

DIAGNOSTIC MENU
ECU IDENTIFICATION
SPECIAL FUNCTIONS

PRESS ENTER KEY

DIAGNOSTIC MENU
> **CLEAR & PROGRAM KEYS**
PROGRAM KEYS

PRESS ENTER KEY

PROGRAM KEYS
WARNINS
AT LEAST 2 KEYS NEEDED
TO START ENGINE

PRESS ENTER KEY

PLEASE WAIT
GAINING ACCESS

THIS CAN TAKE 5 MINS

ACCESS GAINED

PRESS ENTER KEY

CLEAR KEYS

SUCCESS

PRESS ENTER KEY

ALL KEYS ARE CLEARED
ANY KEYS NOT PRESENT
CAN BE PROGRAMMED AT
A LATER DATE

PROGRAM KEYS

IGNITION ON

PRESS ENTER KEY

PROGRAM KEYS

PLEASE WAIT

SPECIAL FUNCTIONS

Ford **D**

Ford 20 Byte Bypass - ADS209 - BLADED

PROGRAM & CLEAR KEYS

TRANSPONDER AND REMOTE
ARE PROGRAMMED AT THE SAME TIME

CLEAR KEYS

SUCCESS

PRESS ENTER KEY

PROGRAM KEYS

SUCCESS

PRESS ENTER KEY

PROCEDURE

COMPLETE

2ND KEY WILL NEED TO BE PROGRAMMED

PROGRAM KEYS

DO YOU WANT TO PROGRAM ANOTHER KEY?

✖   ✔

PROGRAM KEYS

IGNITION ON

PRESS ENTER KEY

PROGRAM KEYS

PLEASE WAIT

Ford 2016 - ADS257 - Proximity

CLEAR & PROGRAM KEYS

A MINIMUM OF 2 KEYS ARE REQUIRED.

PROGRAMMING IS POSSIBLE FROM A LOST KEY SITUATION

NO PINCODE REQUIRED

LEAVE IGNITION OFF

PRESS ENTER KEY

CODED ACCESS

SEC WAIT

THIS MAY TAKE UP TO 8 MINS

CONNECT BATTERY CHARGER

PLEASE WAIT

VEHICLE SELECTION

+ FORD

+ GM (USA)

+ GM / OPEL

+ HONDA / ACURA

+ HYUNDAI

+ INFINITI

ECU IDENTIFICATION

FORD

VIN: 3FA6XXGCBMCS02555

PARTNO: F1FT-19G482-AK

KEYS PROGRAMMED : 02

PRESS ENTER KEY

PATS BYPASS

PLEASE WAIT

VEHICLE SELECTION

+ AFRICA

+ ASIA

+ EURO

+ INDIA

+ ISRAEL

+ SOUTH AMERICA

DIAGNOSTIC MENU

ECU IDENTIFICATION

SPECIAL FUNCTIONS

PRESS ENTER KEY

CLEAR KEYS

PLACE THE KEY TO BE PROGRAMMED FLAT ON THE PROXIMITY KEY SYMBOL AT THE BOTTOM OF THE CONSOLE STORAGE COMPARTMENT

PRESS ENTER KEY

VEHICLE SELECTION

+ B MAX

+ C MAX

+ COUGAR

+ GALAXY

+ FUSION

+ FOCUS

DIAGNOSTIC MENU

> CLEAR & PROGRAM PROX

PROGRAM PROX

PROX KEYS PROGRAMMED

PRESS ENTER KEY

VEHICLE SELECTION

+ NON PROXIMITY

+ PROXIMITY

PRESS ENTER KEY

CLEAR KEYS

WARNING ALL KEYS WILL BE CLEARED
CONTINUE ?

✖   ✔

THE REMOTE WILL AUTOMATICALLY BE PROGRAMMED WITH THE TRANSPONDER

VEHICLE SELECTION

98 > 04

05 > 11

2015 >

PRESS ENTER KEY

WARNING

A MINIIMUM OF 2 KEYS
REQUIRED TO BE PROGRAMMED
BEFORE THE VEHICLE WILL START

PRESS ENTER KEY

PROGRAM PROX

DO YOU WANT TO PROGRAM ANOTHER KEY ?

✖   ✔

Ford 2016 - ADS257 - Proximity

CLEAR & PROGRAM KEYS

CLEAR KEYS

PLACE THE KEY TO BE
PROGRAMMED FLAT ON THE
PROXIMITY KEY SYMBOL AT THE
BOTTOM OF THE CONSOLE
STORAGE COMPARTMENT

PRESS ENTER KEY

**THE REMOTE WILL
AUTOMATICALLY BE
PROGRAMMED WITH THE
TRANSPONDER**

PROGRAM PROX

DO YOU WANT TO PROGRAM
ANOTHER KEY ?

✗   ✓

PROGRAM PROX

PROCEDURE COMPLETE

PRESS ENTER KEY

Ford 2016 - ADS257 - BLADED

CLEAR & PROGRAM KEYS

A MINIMUM OF 2 KEYS ARE REQUIRED.

PROGRAMMING IS POSSIBLE FROM A LOST KEY SITUATION

NO PINCODE REQUIRED

DIAGNOSTIC MENU
ECU IDENTIFICATION
SPECIAL FUNCTIONS
PRESS ENTER KEY

CLEAR KEYS
SUCCESS
TO ADD NEW KEYS USE
THE ADD KEY MENU
PRESS ENTER KEY

VEHICLE SELECTION
+ FORD
+ GM (USA)
+ GM / OPEL
+ HONDA / ACURA
+ HYUNDAI
+ INFINITI

DIAGNOSTIC MENU
> CLEAR KEYS
ADD KEY
KEYS PROGRAMMED
CLEAR FAULT CODES
RESET
PRESS ENTER KEY

ALL KEYS ARE NOW DELETED YOU WILL NEED TO PROGRAM 2 KEYS VIA THE ADD KEY OPTION

VEHICLE SELECTION
+ AFRICA
+ ASIA
+ EURO
+ INDIA
+ ISRAEL
+ SOUTH AMERICA

CLEAR KEYS
WARNING ALL KEYS WILL BE CLEARED
CONTINUE ?
✗   ✓

DIAGNOSTIC MENU
> CLEAR KEYS
> ADD KEY
KEYS PROGRAMMED
CLEAR FAULT CODES
RESET
PRESS ENTER KEY

VEHICLE SELECTION
+ B MAX
+ C MAX
+ COUGAR
+ GALAXY
+ FUSION
+ TRANSIT CUSTOM

WARNING
A MINIIMUM OF 2 KEYS REQUIRED TO BE PROGRAMMED BEFORE THE VEHICLE WILL START
PRESS ENTER KEY

ADD KEY
ENSURE KEY TO PROGRAM IS INSERTED AND IGNITION ON
PRESS ENTER KEY

SWITCH IGNITION ON
PRESS ENTER KEY

CODED ACCESS
SEC WAIT
THIS MAY TAKE UP TO 8 MINS
CONNECT BATTERY CHARGER
PLEASE WAIT

CODED ACCESS
SEC WAIT
THIS MAY TAKE UP TO 8 MINS
CONNECT BATTERY CHARGER
PLEASE WAIT

ECU IDENTIFICATION
FORD
VIN: 3FA6XXGCBMCS02666
PARTNO: F1FT-19G482-AK
KEYS PROGRAMMED : 02
PRESS ENTER KEY

PLEASE WAIT APPROXIMATELY 5 SECONDS

PLEASE WAIT APPROXIMATELY 5 SECONDS

SPECIAL FUNCTIONS

D

Ford 2016 - ADS257 - BLADED

CLEAR & PROGRAM KEYS

ADD KEY

DETECTING KEY

CODED ACCESS

SEC WAIT

THIS MAY TAKE UP TO 8 MINS

CONNECT BATTERY CHARGER

PLEASE WAIT

THE REMOTE WILL AUTOMATICALLY BE PROGRAMMED WITH THE TRANSPONDER

PLEASE WAIT APPROXIMATELY 5 SECONDS

ADD KEY

DETECTING KEY

SUCCESS

KEYS PROGRAMMED :01

PRESS ENTER KEY

ADD KEY

DETECTING KEY

NOW REPEAT THE PROCESS TO PROGRAM THE 2ND KEY

ADD KEY

DETECTING KEY

SUCCESS

KEYS PROGRAMMED :02

PRESS ENTER KEY

DIAGNOSTIC MENU

> CLEAR KEYS

> ADD KEY

KEYS PROGRAMMED

CLEAR FAULT CODES

RESET

PRESS ENTER KEY

PROCEDURE

COMPLETE

ADD KEY

ENSURE KEY TO PROGRAM IS INSERTED AND IGNITION ON

PRESS ENTER KEY

ADVANCED DIAGNOSTICS

Ford **E**

The Ford VIN checker is used to determine the production date of the vehicle.
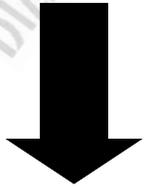
VEHICLE SELECTION
+ FORD
+ GM (USA)
+ GM / OPEL
+ HONDA / ACURA
+ HYUNDAI
+ INFINITI

PRODUCTION DATE
JUL 98
PRESS ENTER KEY

VEHICLE SELECTION
+ AUS
+ EURO
+ USA
+ S. AMERICA

FORD CALCULATOR
CHECK ANOTHER VIN
YES = ENTER   NO = BACK

VEHICLE SELECTION
S– MAX
TRANSIT CONNECT
TRANSIT
WINDSTAR
+ FORD BY SYSTEM
+ FORD VIN CHECK

SWITCH IGNITION ON
PRESS ENTER KEY

FORD CALCULATOR
ENTER LAST 7 DIGITS
OF VIN NUMBER
_ _ _ _ _ _ _

1	2	3	4	5
6	7	8	9	0

FORD CALCULATOR
WM60543
✘   ✔

TIPS AND HINTS

F

GENERAL

If communication is made with the vehicle, and then no communication is experienced later or the communication is random, check battery voltage and ensure it is at least 12.2 volts., particularly important on SCP , and all Transits

A new function has been introduced on the WDS which enables the dealer to disable the additional key function. This is mainly used on fleet vehicles and hire companies to stop unauthorized key's being added. If a system will not accept additional keys, it may be because this has been enabled.

Fleet mode (unable to add a key) is disabled by clearing the PATS and DSM (diesel only) and reprogramming all keys.

When programming SCP systems, turn IGN ON before connecting TESTER or ADC110B to Diagnostic socket, then wait for dashboard lights to settle, connect TESTER - otherwise a timed access system may display "access denied".

Intermittent start with fault code 12- replace faulty aerial pick up.

If an incorrect key is used to try and start the engine, the correct key must be inserted and left in the IGN position for at least 20 seconds, then switched OFF then back ON before the vehicle starts.

Fault Code 0 is an ECU trouble code, if this is set and cannot be cleared, then there is a problem with the ECU. Normally the only way to fix this is to return the ECU for testing or replace it.

Fault Code 1000 is an ECU trouble code. This code can be set automatically if the vehicle has not been driven. The code refers to the OBD drive cycle. In some instances it is not possible to program new keys if this code is set. Please follow the following instructions if the code cannot be cleared or the keys cannot be programmed.

The OBD drive cycle code P1000 is the monitor code which monitors a number of the OBD parameters. This code can be cleared by driving the vehicle or running the engine for around 5 minutes at a steady RPM and acceleration cycles. The smoother the driving condition the quicker the code will be cleared.

If no keys are available, then the ECU can be disconnected for 30-45 minutes, which will also reset the system.

SELF DIAGNOSIS

The PATS system has it's own self diagnosis test procedure which flashes codes. The PATS LED will flash quickly for 1 minute, and then start flashing the fault code as follows:-

Example Flash code for Fault Code 31

A = 3 Flashes   B = 1 Flash   C = Three seconds delay   D = Repeat of code for 10 times
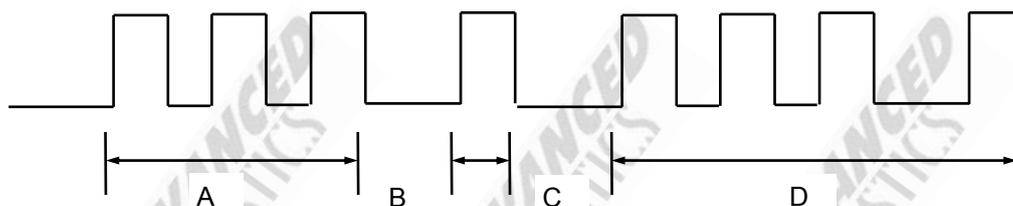
Code 11 Transceiver not connected
Code 12 Transceiver
Code 13 No key data received
Code 14 Part of the transponder code received
Code 15 Wrong transponder key
Code 21 Less than the minimum keys required programmed
Code 22 Failed diesel pump control unit identification
Code 23 The response code between pump control unit & powertrain
Code 31 DSM Communication
Code 32 DSM Communication
Code 34 DSM Communication

LED = Always ON or OFF   - Check the fuse 15 (5 amp)

NOTE : If there are no fault codes, **DO NOT** clear fault codes as this can cause fault 1000 to be enabled.

Ford Escort, no communication with TESTER, switched Ignition OFF and ON very quickly, and communication gained. Conclusion was bad connection on ignition switch.

DO NOT insert a blue chip transponder key into a red key system.

F

KEY PROGRAMMING < 98 ¼ MY

NOTE
a. Clear ALL Fault codes before programming.
b. The Immobiliser receiver does not need reprogramming when replaced.
c. Up to 16 keys can be programmed into the PATS system.

A new master key can only be programmed using the FDS2000 or the AD PROGRAMMING systems. Further slaves can be added without any specialist equipment as follows :-

1.   Insert master key, and turn to Position 2. PATS LED should illuminate.
2.   Switch ignition from position 2 to position 0, and remove key. PATS LED will illuminate for 2 seconds. PATS system is now in programming mode for 10 seconds.
3.   Insert the new slave key, and turn from Position 0 to Position 2. PATS LED will flash once if successful.
4.   Repeat for all new slave keys.

KEY PROGRAMMING > 98 ¼ MY >

NOTE
a. Clear ALL Fault codes before programming.
b. Up to 8 keys can be programmed into the PATS system.
c. If programming is unsuccessful, the PATS LED will flash when the key is inserted.
d. Newer systems are only supplied with 2 keys. Both keys are required to program further slave keys.
e. Master keys can only be programmed using the 2 PATS keys (A and B) with the FDS2000 or the AD PROGRAMMING SYSTEM system.
f. In some cases the vehicle doors must be closed to perform the re-programming sequence.

Further slaves can be added without any specialist equipment as follows :-
1. Insert key A, and turn to Position 2.
2. Turn back to Position 0, and remove key A.
3. Insert key B, and turn to Position 2.
4. Turn back to Position 0, and remove key B.
5. Insert the new slave key and turn to Position 2.
6. Remove new key. Key is now programmed.
7. Procedure can be repeated after 20 seconds, for up to 8 slave keys.

GALAXY

MANUAL PROGRAMMING PROCEDURES DO NOT WORK ON ANY FORD GALAXY VEHICLES.

PROBE

PROGRAMMING NEW/ADDITIONAL KEYS (2 or more keys available)

1.   Using one of the existing keys (This becomes KEY 1), insert into ignition switch.
      NOTE : When requested to turn the key ON or OFF, the time should not be less than 1 Second or more than 2 Seconds between operations. Unless stated otherwise.
2.   Turn the Key to IGNITION ON and then OFF five times, stopping at the OFF position.
      NOTE : PATS LED Should remain ON with the key in the OFF position.
3.   Turn the IGNITION ON using KEY 1., within 15 seconds of step 2.
4.   Turn the IGNITION OFF and remove KEY 1.
5.   Insert KEY 2 within 60 seconds of PATS LED illuminating.
6.   Turn ign ON and start engine with KEY 2. PATS LED will extinguish after 1-2 sec and engine remain running if key is accepted.
7.   Turn IGNITION OFF and remove KEY 2.
8.   Insert KEY 3 within 15 seconds of removing KEY 2.
9.   Turn IGNITION ON and start engine with KEY 3. PATS LED will extinguish after 1-2 seconds and engine remain running if key is accepted.
10.   Turn IGNITION OFF and remove KEY 3. Repeat as necessary for additional keys.

PROGRAMMING NEW/ADDITIONAL KEYS (No keys available)

Programming new key(s) when no keys are available can only be completed by a FORD dealer.

CLEARING/PROGRAMMING PATS 1 & 2 SYSTEM (PETROL)

1. If **WAITING TO CLEAR** is not displayed this indicates the incorrect system has been selected.
2. If successful the tester will display all keys cleared and how many keys are programmed.

CLEARING PATS SYSTEM (FALCON)

1. Minimum 2 keys required.
2. Ensure all vehicle doors remain closed at all times.

ADD KEY FUNCTION - CERTIAN VEHICLES

1. On some vehicles a function is available to add a key without deleting the old keys. This takes the normal 10 minutes security access time.
2. If the procedure is not followed then a further security access time of 10 minutes will be required.
3. Some vehicles, especially fleets and hire companies have this feature disabled, and the normal clear down procedure will be required.

MANUAL KEY PROGRAMMING (TEXAS 4D CARBON)

1. The MANUAL KEY REGISTRATION is NOT enabled on any vehicles that use the TEXAS 4D Carbon Transponders.

FORD GALAXY TRANSPONDERS

1. The Ford GALAXY uses the following types of transponders...

   iD 33 Transponder
   iD 42 Transponder
   iD 44 Transponder
   iD 63 Transponder

TIPS AND HINTS

RANGER KEY PROGRAMMING PROCEDURES

General Procedures

1.NOTE: When an error occurs during the reprogram procedures, except when both the immobilizer unit and PCM are replaced, repeat the procedure from Step 1. If you still cannot reprogram, confirm how many keys can start the engine. Then, perform the key replacement or additional reprogram procedure according to the val id key number.

NOTE: To make a copy of the key or replace the immobilizer system component parts (the key(s), steering lock, immobilizer unit, and/or PCM), the customer should bring all keys to the dealer. This is because the previously programmed key IDs are erased when reprogramming the key IDs into the immobilizer unit and PCM.

NOTE: If the customer has only one valid key when replacing the immobilizer system component parts, the dealer should contact a distributor to obtain the code word.

NOTE: To replace the immobilizer unit or PCM, there should be at least one valid key. Otherwise, both the immobilizer unit and PCM should be replaced.

NOTE: The immobilizer unit and PCM cannot be changed from one car to another. If an immobilizer unit or PCM is replaced with one from another car, the engine will not start. Reprogramming of the IDs and code word of an immobilizer unit that has already been programmed is not possible.

NOTE: The immobilizer unit and PCM should not be newly replaced as a trial during troubleshooting. If this is done, the ID and code word will be programmed into the new unit and it cannot be used for other cars even if you find that the old unit was normal.

NOTE: The immobilizer system cannot be deactivated.

NOTE: Confirm that all keys registered can start the engine after the reprogram procedure. When confirming, wait for more than 5 seconds before inserting the next key.

NOTE: When the customer does not need to register more than two keys, the following procedures can be stopped after registering two keys.

NOTE: If the key cannot be registered in spite of the fact that the immobilizer system operates normally, there may be a malfunction with the key reminder switch or wiring harness.

NOTE: If no specific time interval is given, each step should be performed within 30 seconds of the previous step.

NOTE: If programming keys, the driver door must be open

Key Replacement or Addition when the customer has two or more valid keys

1.   NOTE: Key Replacement or Addition When the customer has two or more valid keys
2.   Cut new transponder-equipped key(s).
3.   Insert key 1 into the steering lock and hold for 1 second or more.
4.   Remove and insert key 1 five times at no more than 1-second intervals.
5.   After the final key insertion, verify that the security light flashes.
6.   Remove the key from the steering lock and verify that the security light goes off.
7.   Insert key 2 into the steering lock and turn the key to the ON position.
8.   Verify that the security light illuminates for 1—2 seconds.
9.   After verifying that the security light goes off, turn the key to the LOCK position and remove from the steering lock.
10.   Insert key 3 into the steering lock and turn the key to the ON position.
11.   Verify that the security light illuminates for 1—2 seconds.
12.   After verifying that the security light goes off, turn the key to the LOCK position.
13.   If there are 4—8 keys (valid and/or new keys), repeat Step 5 with each key.
14.   Wait for 30 seconds.
15.   After reprogramming, clear DTCs stored in the PCM.

RANGER KEY PROGRAMMING PROCEDURES

Key Replacement or Addition when the customer has only one or no valid key (code word is required)

1.   NOTE: If no specific time interval is given, each step should be performed within 30 seconds of the previous step.
2.   Remove and insert key 1 five times at no more than 1-second intervals.
3.   After the final key insertion, verify that the security light flashes. (300 ms ON—300 ms OFF)
4.   Wait for 5 minutes until the security light flashes at 1.2-second intervals.
5.   Input the code word. For additional information, refer to Code Word Input Procedure in this procedure.
6.   After verifying that the security light has switched from flashing to straight illumination, turn the key to the ON position.
7.   After verifying that the security light goes off, turn the key to the LOCK position and remove from the steering lock.
8.   Insert key 2 into the steering lock and turn the key to the ON position.
9.   Verify that the security light illuminates for 1—2 seconds.
10.   After verifying that the security light goes off, turn the key to the LOCK position and remove from the steering lock.
11.   Insert key 3 into the steering lock and turn the key to the ON position.
12.   Verify that the security light illuminates for 1—2 seconds.
13.   After verifying that the security light goes off, turn the key to the LOCK position.
14.   If there are 4—8 keys (valid and/or new keys), repeat Step 5 with each key.
15.   Wait for 30 seconds.
16.   After reprogramming, clear DTCs stored in the PCM.

PRECAUTIONS

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.

REMOTE PROGRAMMING

Fiesta 96> & Escort 98> (Radio 3 Button)

Procedure
1. Insert Key and turn to II, then Turn Key from II to I and back to II four times within 3 seconds
2. The PATS LED should light. Turn Key to Position 0.
3. Press the Unlock button and keep it pressed until the PATS LED flashes 4 times.
4. Add additional fobs the same way. Turn to II and back to 0 to end.

Focus (Radio 3 Button)

Procedure
1. Switch Ignition **On/Off (II/0) 4 times within 6 seconds** until a sound is made.
2. Press any button on Remote until a sound is made.
3. To program additional Remotes, repeat after 2 seconds after the sound.
4. Turn Ignition On/Off to exit.
5. A maximum of 4 remotes can be programmed.

Mondeo 96> Scorpio > 98 (Radio 2 Button)

Procedure
1. Turn Ignition to II, then turn ignition from II to I and back 4 times within 3 seconds.
2. The PATS LED on dash should light.
3. Turn Ign to 0. Then press Unlock button and keep pressed until PATS LED flashes 4 times (new fob first, then old)
4. Turn Ignition to II, then back to 0 to end.

Transit (2000.5MY)

Procedure
1. Close all the doors.
2. Turn Ignition key from position 0 to II eight times within 10 seconds.
3. Make sure the vehicle locks and unlocks the doors.
4. Press the remote transmitter button within 20 seconds., and make sure the vehicle locks and unlocks all the doors.
5. Up to 20 seconds is allowed to programme the next remote transmitter.
6. To programme additional remote transmitters, repeat steps 4 and 5.
7. Turn the ignition key to position 0 to exit the programming mode.

Note : Maximum 4 remote transmitters may be programmed.
Note : . Ensure the vehicle battery is fully charged and the anti-theft alarm system is not armed or triggered.

Note : If programming ends with no new remote transmitters, the originals are retained.

Note : The anti-theft alarm and double locking module will exit programming mode automatically if four new remote transmitters have been programmed or if no new remote transmitters programmed within the 20 second programming mode.

Fiesta 96, Puma (Infrared 2 Button)

Procedure
1. Turn Ignition switch to Position I and back to 0 as soon as the PATS LED in the clock lights (The system is now ready for programming, to a maximum time limit of 30 seconds)
2. Remove Key from Ignition, hold the FOB towards the Interior Light, and press and hold the Single Arrow. Wait until the light on the Key flashes, then press the Double Arrow **3** times., release the Single Button
3. Both LEDs (Key & Clock) should flash to acknowledge programming is successful
4. To exit learn Mode, turn Ignition to II and then 0
5. A Maximum of **4** Remotes are possible

REMOTE PROGRAMMING

Mondeo 93> Mondeo 96> (Infrared 2 Button)

Procedure
1. Unlock Vehicle, and turn ignition to position 1.
2. Wait until the PATS LED illuminates (app 10 seconds)
3. Switch Ignition to 0 – within 5 seconds – LED will remain on
4. Point the Remote at one of the front Receivers
5. Press a button and keep pressed – within 20 seconds of step 3
6. When the LED on the Key lights press the other button 3-5 times
7. Release both buttons while still aiming at the receiver
8. If successful, both LED's will flash 5 times
9. Repeat 5—9 for additional transmitters (within 30 seconds)
10 .When completed, Turn Ignition to II then 0 to store the Keys

Mondeo 98½> Scorpio 95> (Radio 3 Button)

Procedure
1. Turn Ignition **4** times from 0 to I, ending at position I. A tone should sound.
2. Press the Remote Unlock button – another tone should sound.
3. Additional Remotes can be added by repeating Step 2, within ten seconds of each remote.
4. To exit turn Ignition to 0 – another audible sound should be made.

Cougar (Radio 3 Button)

Procedure
1. Turn Ignition On (II) and Off (0) **4** times within **6 seconds**
2. With the Ignition at 0 the PATS LED should light continuously.
3. Press any button on the Radio Remote **within 10 seconds**
4. The LED should flash to acknowledge
5. Further Remotes (max. 4) can be added by pressing any button.
6. Program mode will end if Ignition turned on, or no new Remote Detected within 10 seconds

NOTE : The first Cougars were 3 seconds instead of 6, and 20 seconds instead of 10.

Scorpio 95> (Radio 3 Button)

1. Turn Ignition **4** times from 0 to I, ending at position I. An audible tone should be heard.
2. Press the Remote Unlock button – there should be another audible tone
3. If more than one Remote then Step 2 should be repeated for each remote in turn, within ten seconds of each other.
4. To End turn Ignition to 0 – there should be another audible tone.

Galaxy (Radio 2 button)

1. Make sure all doors and windows are closed.
2. Turn the key in the drivers door lock, 3 times to the unlock position for at least half a second and within a total of 5 seconds.
3. The system should now enter programming mode, this is shown by the LED illuminating continuously for the next 15 secs- during which the key should be programmed as follows.
4. Press one of the buttons on the key and whilst holding it pressed, simultaneously press the other button 3 times.
5. Release both buttons.
6. The key should now flash 5 times and the LED in the door should also flash, six times.

Additional Information

A maximum of four keyless entry remote transmitters can be programmed to the central security module (CSM). Programming must be done at the same time for all the transmitters.

Note: To enter programming mode, make sure that the vehicle battery is fully charged and the anti-theft system is not armed or triggered (if equipped).

1. Close all doors and fasten the safety belts to make sure conflicting chimes do not sound during programming.
2. Turn the ignition switch from position I to position II at least four times in six seconds.
3. Turn the ignition switch to position I.
4. The CSM is now in the learning mode.
5. Press and hold one of the buttons on the remote transmitter until a chime sounds. This indicates a new transmitter code has successfully received.
6. After each successful programming is completed, another 10 second learning mode is automatically entered, up to a maximum of four times.
7. To program additional transmitters, repeat from step 5.
8. The system will leave the learning mode after the ignition switch is turned to position III, or if no new transmitter is programmed during the 10 seconds, or if four remote transmitters have been programmed.
   Note: An incorrect programming procedure does not effect the stored codes.
9. After successful programming, only the new programmed transmitters will be accepted.
10. Test all the programmed transmitters, by activating and deactivating the locking/unlocking functions.

Focus Built from 12.2000 Onwards

Note: The ignition must be turned off before attempting to reprogram the key fob.

1. The unlocking mode can be changed by pressing the locking and unlocking buttons on the remote transmitter simultaneously for a minimum of four seconds.
2. The change is indicated by the turn signal lamps flashing twice.
3. The mode can be carried out as often as required by repeating step 11.

Mondeo 2001 onwards

Note: The ignition must be turned off before attempting to reprogram the key fob.

1. The unlocking mode can be changed by pressing the locking and unlocking buttons on the remote transmitter simultaneously for a minimum of four seconds.
2. The change is indicated by the turn signal lamps flashing twice.
3. The mode can be carried out as often as required by repeating step 14.

Programming transmitters.

1. Insert the ignition key and turn it from position II to position 0 and back four times within three seconds.
2. Remove the ignition key. The module remains in learning mode for 20 seconds and the anti-theft warning system light stays on continuously.
3. Press one of the transmitter buttons. The signal is learned by the module and indicated by a flashing anti-theft warning system light. If necessary, repeat the procedure for other transmitters after two seconds.
4. Wait until the module programming is complete, or switch the ignition to ON.

   Notes:
   - A maximum of four keyless entry remote transmitters can be programmed to the central security module.
   - Programming must be done at the same time for all the transmitters.
   - To enter programming mode, make sure that the vehicle battery is fully charged and the anti-theft system is not armed or triggered (if equipped).
   - Close all doors and fasten the safety belts to make sure conflicting chimes do not sound during programming.

5. Turn the ignition switch from the OFF position to the ON position four times within three seconds to enter the learning mode. Turn the ignition switch from the OFF position. The central security module will remain in the learning mode for 20 seconds indicated by the LED in the instrument panel being illuminated continuously.
6. Press any button on the remote transmitter being programmed. When the signal from the remote transmitter is accepted by the central security module, the LED will flash.
7. To program additional transmitters, repeat from step 6, with a two second delay after the LED flashes.
8. To exit the learning mode, turn the ignition switch to the ON position. If no transmitter signal is received by the central security module for 20 seconds, the system will automatically exit the learning mode.
9. Test all the programmed transmitters, by activating and deactivating the locking functions.

Transit 2007 >

The remote part of the key is programmed when the keys are programmed.

An example key is pictured below, the remote part of the key is BLUE in colour to distinguish it is the new system.

G

FORD FOCUS PROXIMITY(2009 ON)

USING ADC187 CABLE, CONNECT POWER TO FUSE 100
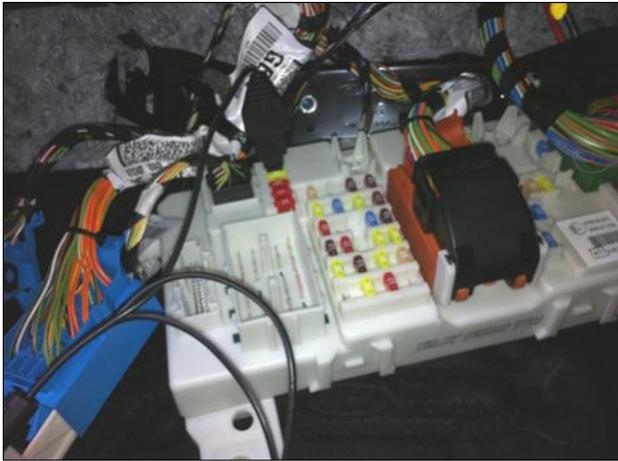
AD35
Remote Control Tester

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.