

ADVANCED DIAGNOSTICS

Unlocking Technology

Fiat - Alfa - Lancia

(Version 3.4)



World Leaders In Automotive Key Programming Equipment

www.advanced-diagnostics.com



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InfoQuest Vehicle Data Search

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/>

Fiat - Alfa Romeo - Lancia Software

ADS121	Fiat - Alfa - Lancia
ADS168	Fiat - Alfa - Lancia
ADS185	Fiat - Alfa - Lancia PINCODE Read
ADS231	Fiat 2015

AD900Pro Software

ADS924 - PRE-CODING SOFTWARE IS REQUIRED FOR THE AD900Pro

DIAGNOSTIC SOCKETS/PORTS

B

FIAT



PUNTO



SCUDO



SEICENTO



STILO



COUPE



SEDICI



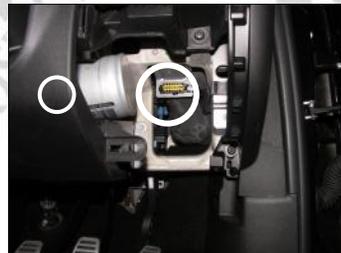
500



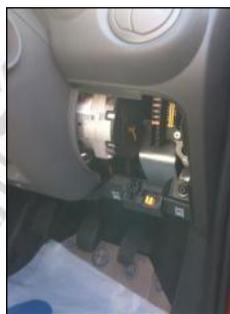
NEW PUNTO



DOBLO



BRAVO CAN BUS



NEW PANDA



QUBO
AND
FIORINO

DIAGNOSTIC SOCKETS/PORTS

B

FIAT



FIORINO



SCUDO (270)

WWW.ADUSA.US

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WWW.ADUSA.US

DIAGNOSTIC SOCKETS/PORTS

B

ALFA



GTV



147



156



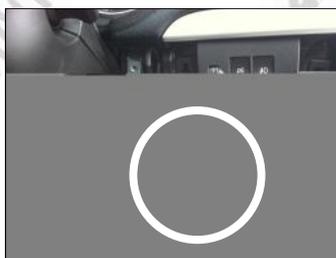
166



SPIDER



GULIETTA



BRERA



GT



159



159

Use fuse 44 for Ignition Bypass Cable (ADC187) in lost key situation.

SPECIAL FUNCTIONS

FIAT ALFA LANCIA ABARTH - Process

Fiat has four types of security system

TYPE 1 - ISO 1 (Transponder ID:48)

TYPE 2 - ISO 2 (Transponder ID:48)

TYPE 3 - CAN 1 (Transponder ID:46 OR ID:48)

TYPE 4 - CAN 2 (Transponder ID:46)

The software will auto-detect the correct procedure based upon the vehicle selection. The procedure will then guide you through the following steps, that are relevant to the vehicle selected.

1.Read PINCODE & PRECODE

2.Pre-Code Keys (where applicable) using AD900Pro

3.Program Keys / Remotes

WWW.ADVANCED-DIAGNOSTICS.CO.UK

System Type	Transponder Type	Software Functionality	Cable
Type 1 - ISO 1	ID:48	PINCODE	ADC250 (OBD) OR ADC196 (IMMO CABLE)
Type 2 - ISO 2	ID:48	PINCODE	ADC250 (OBD) OR ADC196 (IMMO CABLE)
Type 3 - CAN 1	ID:46 or ID:48	PINCODE & PRECODE READ	ADC250 (OBD) OR ADC195 (BCM CABLE) Note: No precoding data available when using ADC195
Type 4 - CAN 2	ID:46	PINCODE	ADC250 (OBD)

Type 1-ISO 1

FIAT / ALFA / LANCIA / ABARTH

Process

1 - Read PINCODE

(USE ADC250 or ADC196)

2 - Program Keys / Remotes

WWW.ADUSA.US



SPECIAL FUNCTIONS

Type 1 - ISO 1

PINCODE READING

**FOR THIS PROCEDURE USE
Y CABLE
ADC196**

READ PINCODE
SWITCH IGNITION ON

- VEHICLE SELECTION**
- + ALFA
 - + BMW
 - + CITROEN
 - + DAEWOO
 - + FIAT**
 - + FORD

READ PINCODE
PINCODE:47118

SWITCH AD100Pro OFF

- VEHICLE SELECTION**
- 500
 - BRAVO
 - CROMA
 - DOBLO
 - MULTIPLA**

Now you are now ready to proceed to the following steps.

1. Program keys / remotes

- VEHICLE SELECTION**
- IMMOBILISER
 - + REMOTE
 - + READ PINCODE**

1. ADC250 (OBD)
2. ADC196 (Y-CABLE)
PLEASE TRY OPTION 1 FIRST , IF OPTION 1 FAILS THEN TRY OPTION 2

1	2	3	4	5
6	7	8	9	0

READ PINCODE
ADC196 (Y Cable)

X



SPECIAL FUNCTIONS

Type 1 - ISO 1

PROGRAM KEYS

VEHICLE SELECTION

- + ALFA
- + BMW
- + CITROEN
- + DAEWOO
- + FIAT**
- + FORD

PROGRAM KEYS

DIAGNOSTIC MENU

- PROGRAM KEYS**
- LIVE DATA
- ACTUATORS
- KEY INFORMATION

PRESS ENTER KEY

PROGRAM KEYS

PROGRAMMING KEYS

- REMOVE KEY
- INSERT NEXT KEY
- LEAVING IN STOP POSITION

PRESS ENTER KEY

VEHICLE SELECTION

- 500
- BRAVO
- CROMA
- DOBLO**

SECURITY CODE

PROGRAMMING KEYS

KEYS PROGRAMMED: 2
BACK TO EXIT

ENTER TO PROGRAM
NEXT KEY

VEHICLE SELECTION

> 2007

SECURITY CODE

1 2 3 4 5

IS THIS CORRECT

OK = ENTER CLEAR = BACK

KEY INFORMATION

KEYS PROGRAMMED : 2
KEY 1 : 123456
KEY 2 : 123456
KEY 3 : 000000
KEY 4 : 000000

PRESS ENTER KEY

SWITCH IGNITION ON

PRESS ENTER KEY

PROGRAMMING KEYS

KEYS NOT AVAILABLE WILL
BE DELETED

PRESS ENTER KEY

ECU IDENTIFICATION

MARELLI IMMOBILISER

ISO : 40 83 AB AB 49

PRESS ENTER KEY

NOTE : ANY EXISTING KEYS
NOT PROGRAMMED AT THIS
STAGE ARE PERMANENTLY
DELETED.

THEY CAN NEVER BE USED OR
PROGRAMMED AGAIN !!!

DIAGNOSTIC MENU

- ECU IDENTIFICATION
- FAULT CODES
- SPECIAL FUNCTIONS**

PRESS ENTER KEY

PROGRAMMING KEYS

KEYS PROGRAMMED: 1
BACK TO EXIT

ENTER TO PROGRAM
NEXT KEY

Type 2-ISO 2

FIAT / ALFA / LANCIA / ABARTH

Process

1 - Read PINCODE

(USE ADC250 or ADC196)

2 - Program Keys / Remotes

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SPECIAL FUNCTIONS - ADS185

Type 2 - ISO 2

PINCODE READING

FOR THIS PROCEDURE USE
Y CABLE
ADC196

READ PINCODE

SWITCH IGNITION ON

VEHICLE SELECTION

- + ALFA
- + BMW
- + CITROEN
- + DAEWOO
- + FIAT
- + FORD

READ PINCODE

PINCODE:47118

SWITCH AD100Pro OFF

VEHICLE SELECTION

- 500
- BRAVO
- CROMA
- DOBLO
- MULTIPLA

Now you are now ready to proceed to the following steps.

1. Program keys / remotes

VEHICLE SELECTION

- IMMOBILISER
- + REMOTE
- + READ PINCODE

- 1. ADC250 (OBD)
- 2. ADC196 (Y-CABLE)

PLEASE TRY OPTION 1 FIRST , IF OPTION 1 FAILS THEN TRY OPTION 2

1	2	3	4	5
6	7	8	9	0

READ PINCODE

ADC196 (Y Cable)





SPECIAL FUNCTIONS

Type 2 - ISO 2

PROGRAM KEYS

VEHICLE SELECTION

- + ALFA
- + BMW
- + CITROEN
- + DAEWOO
- + FIAT**
- + FORD

PROGRAM KEYS

DIAGNOSTIC MENU

PROGRAM KEYS
KEY INFORMATION

PRESS ENTER KEY

PROGRAM KEYS

PROGRAMMING KEYS

PLEASE WAIT

VEHICLE SELECTION

- 500
- BRAVO
- CROMA
- DOBLO**
- DUCATO II

SECURITY CODE

PROGRAMMING KEYS

KEYS PROGRAMMED : 1
KEY 1 : 12345678

PRESS ENTER KEY

VEHICLE SELECTION

- IMMOBILISER**
- REMOTES

SECURITY CODE

1 2 3 4 5

IS THIS CORRECT

OK = ENTER CLEAR = BACK

SWITCH IGNITION ON

PRESS ENTER KEY

PROGRAMMING KEYS

KEYS NOT AVAILBALE
WILL BE DELETED AND
CANNOT BE USED AGAIN

PRESS ENTER KEY

ECU IDENTIFICATION

ECU NO : 133853456
SW DATE : 01/03/07

PRESS ENTER KEY

NOTE : ANY EXISTING KEYS
NOT PROGRAMMED AT THIS
STAGE ARE PERMANENTLY
DELETED.

THEY CAN NEVER BE USED OR
PROGRAMMED AGAIN !!!

DIAGNOSTIC MENU

- ECU IDENTIFICATION
- FAULT CODES
- LIVE DATA
- ACTUATORS
- SPECIAL FUNCTIONS**

PRESS ENTER KEY

PROGRAMMING KEYS

KEYS PROGRAMMED : 1
PROGRAM MORE KEYS



Type 3 - CAN 1

FIAT / ALFA / LANCIA / ABARTH

Process

- 1 - Read PINCODE & Precoding**
- 2 - Pre-Code Keys (where applicable) using AD900Pro**
- 3 - Program Keys / Remotes**

WWW.ADUSA.US



SPECIAL FUNCTIONS

Type 3 - CAN 1

PINCODE & PRECODE Reading

VEHICLE SELECTION

- + ALFA
- + BMW
- + CITROEN
- + DAEWOO
- + FIAT
- + FORD

SWITCH IGNITION ON

PRESS ENTER

NOTE:

When all (TEG) keys are lost for Fiat, Alfa, Lancia or Abarth vehicles.

Please use ignition bypass cable ADC187 and connect to fuse 44 inside the vehicle's fuse box found underneath the dashboard to initiate ignition.

VEHICLE SELECTION

- + EURO
- + INDIA
- + S,AMERICA

READ PRE-CODING

FIAT H/W:51711329
 MANUFACT: H / W 018610801
 TYPE:000022
 ISO CODE: 40 83 87 80 A1

PRESS ENTER

After pressing ENTER - the AD100Pro will select one of 3 following procedures

VEHICLE SELECTION

- + 500
- + BRAVO
- + STILO
- + DOBLO
- + DUCATO
- + DUCATO 2

Procedure 1 - ID:48

READ PRE-CODING

SWITCH IGNITION OFF

PRESS ENTER

Procedure 1 - ID:46

READ PRE-CODING

SWITCH IGNITION OFF

PRESS ENTER

VEHICLE SELECTION

- + 192

READ PRE-CODING

PLEASE WAIT
 THIS CAN TAKE 5 MINUTES
 MAKE SURE IGNITION IS OFF

READ PRE-CODING

PLEASE WAIT
 THIS CAN TAKE 5 MINUTES
 MAKE SURE IGNITION IS OFF

VEHICLE SELECTION

- IMMOBILISER
- + READ PIN / PRE-CODE

READ PRE-CODING

ISO CODE: 40 83 87 80 A1
 PINCODE: 26752
 PRE-CODING DATA
 2A 73 31 7B C1 7C
 01 FF D1 6F 7E 22
 SWITCH AD100PRO OFF

READ PRE-CODING

ISO CODE: 40 83 87 80 A1
 PINCODE: 26661
 PRE-CODING DATA
 01 FF D1 6F 7E 22
 SWITCH AD100PRO OFF

Now you are now ready to proceed to the following steps.

1. Precode keys - using AD900Pro (Page 23)
2. Program keys / remotes

SPECIAL FUNCTIONS

Type 3 - CAN 1

PINCODE & PRECODE Reading

Procedure 2 - ID:48

READ PRE-CODING

ISO CODE: 41 83 89 80 A2

PINCODE: 26752

PRE-CODING DATA

2A 73 31 7B C1 7C

01 FF D1 6F 7E 22

PRESS ENTER

READ PRE-CODING

IMPORTANT
DISCONNECT / RECONNECT
BATTERY

Procedure 2 - ID:46

READ PRE-CODING

ISO CODE: 41 83 89 80 A2

PINCODE: 26661

PRE-CODING DATA

01 FF D1 6F 7E 22

PRESS ENTER

READ PRE-CODING

IMPORTANT
DISCONNECT / RECONNECT
BATTERY

Now you are now ready to proceed to the following steps.

1. Precode keys - using AD900Pro (Page 23)
2. Program keys / remotes



SPECIAL FUNCTIONS

Type 3 - CAN 1

PINCODE & PRECODE Reading

Procedure 3
PROGRAMMED KEY ID:48

READ PINCODE

IS THE KEY IN THE IGNITION PROGRAMMED

Select YES
For working Key

READ PINCODE

INSERT KEY
SWITCH IGNITION ON

READ PINCODE

PINCODE: 26752

PRESS ENTER KEY

SECURITY CODE
26752

IS THIS CORRECT

OK = ENTER CLEAR = BACK

FIAT H/W: 55186376
MANUFACT. H/W: 5AFHW301
TYPE: 000072
ISO CODE: 07 2E 02 1A
PRE-CODING DATA:
BF F8 3A 3C4A 6F
A2 F3 3C 38 2B 55

PROCEDURE COMPLETE

Now you are now ready to proceed to the following steps.

1. Precode keys - using AD900Pro (Page 23)
2. Program keys / remotes

Procedure 3
UN-PROGRAMMED KEY ID:48

READ PINCODE

IS THE KEY IN THE IGNITION PROGRAMMED

Select NO
For UNPROGRAMMED key

READ PINCODE

SWITCH IGNITION OFF

PRESS ENTER

1: PETROL
2: DIESEL

1	2	3	4	5
6	7	8	9	0

READ PINCODE

PETROL





SPECIAL FUNCTIONS

Type 3 - CAN 1

PINCODE & PRECODE Reading

**Procedure 3
UN-PROGRAMMED KEY CONTINUED**

PINCODES can also be obtained from the AD website.

READ PINCODE

SWITCH IGNITION ON

PRESS ENTER KEY

READ PINCODE

READ PINCODE
SWITCH IGNITION ON



PLEASE WAIT

READ PINCODE

SWITCH IGNITION OFF

PRESS ENTER KEY

SECURITY CODE

26752

IS THIS CORRECT

OK = ENTER CLEAR = BACK

FIAT H/W: 55186376
MANUFACT. H/W: IAW5AFHW301
TYPE 5AFP2
ISO CODE: 07 2E 02 1A
VERSION 02. 0. 3 5AF/4MF

PINCODE: 26752

READ PINCODE

YOU HAVE 30 SECONDS TO CYCLE
IGNITION OFF / ON 5 TIMES

TIME:01
SWITCH IGNITION ON

READ PRE-CODING
FIAT H/W: 55186376
MANUFACT. H/W: 5AFHW301
TYPE: 000072
ISO CODE: 07 2E 02 1A
PRE-CODING DATA:
BF F8 3A 3C4A 6F
A2 F3 3C 38 2B 55

PRESS ENTER

PROCEDURE COMPLETE

READ PINCODE

YOU HAVE 30 SECONDS TO CYCLE
IGNITION OFF / ON 5 TIMES

TIME:03
SWITCH IGNITION OFF ->ON

DETECTED:01

PROCEDURE COMPLETE

IF THE PINCODE CANNOT BE READ FROM
SELECTING
PETROL OR DIESEL THEN SWITCH OFF
IGNITION AND PROCEED AS FOLLOWS

ONCE YOU HAVE CYCLED KEY 5 TIMES
DETECTED SHOULD SAY 4—THEN WEB
CODES WILL APPEAR

**Now you are now ready to
proceed to the following
steps.**

- 1. Precode keys - using
AD900Pro (Page 23)**
- 2. Program keys /
remotes**

READ PINCODE

SWITCH IGNITION OFF

PRESS ENTER KEY

WEB CODES

A4 E9 7B 30 C8 B2
6B ED 87 DD B1 01
6E C3 17 86 5E E9
46 D8 8B A6 B5 D4
72 28 43 70 FF B2

PRESS ENTER KEY



SPECIAL FUNCTIONS - ADS185

Type 3 - CAN 1

PINCODE READING - PROGRAMMED KEY - ADC195 Y Cable

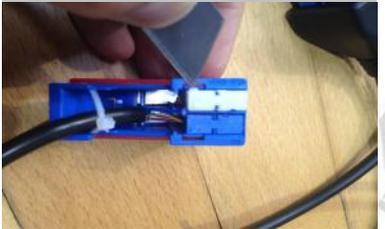
IF the PINCODE can't be read then you will be prompted to use the Y cable ADC195. Switch tester off and follow procedure using the Y cable.

ADC195 operation for reading PIN from BCM
 These instructions are for vehicles that have a working key where you want to read the PIN from the BCM (Body control module – fuse box)

Looking at the MALE plug on the ADC195 – turn it on its side so that the slide connectors are visible:



Using a small sharp object, bend the retaining tag (seen below in blue at the tip of the blade) away from the white plug slightly and then slide out the white block connector. This can be discarded.



You are now left with the ADC195 with a free slot where the white connector was – once you have done this part, you will not need to do it again:



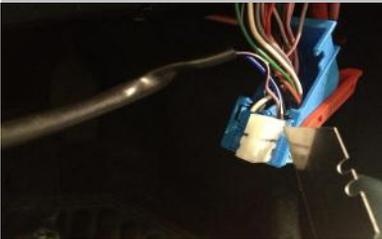
Remove the Blue male vehicle connector from the vehicles BCM:



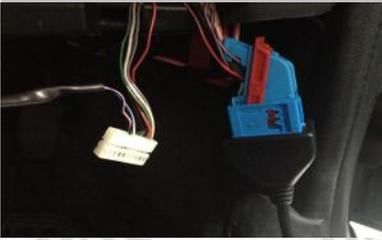
Now do the same thing with the male connector from the vehicle



Slide the white connector out:



Once the white connector is out of the vehicle plug, connect the vehicles BLUE plug to the ADC195 female cable (seen below on the right):



and then slide the vehicles WHITE plug (seen above on the left) into the ADC195 male connector.



Lastly, fit the blue male connector of the ADC195 (seen above on the left) into the vehicle BCM and then connect the OBD lead. You can then continue to read the PIN from the BCM by selecting option 2 (Y-cable)



SPECIAL FUNCTIONS - ADS185

Type 3 - CAN 1

PINCODE READING - PROGRAMMED KEY - ADC195 Y Cable Continued

1. ADC250 (OBD)
 2. ADC195 (Y-CABLE)
 PLEASE TRY OPTION 1 FIRST , IF OPTION 1 FAILS THEN TRY OPTION 2

1	2	3	4	5
6	7	8	9	0

PROCEDURE COMPLETE

READ PINCODE

ADC195(Y Cable)

x ✓

Now you are now ready to proceed to the following steps.

1. Precode keys - using AD900Pro (Page 23)
2. Program keys / remotes

READ PINCODE

IS THE KEY IN THE IGNITION PROGRAMMED

x ✓

Select YES For working Key

READ PINCODE

INSERT KEY
 SWITCH IGNITION ON

READ PINCODE

PINCODE: 45321

PRESS ENTER KEY

SPECIAL FUNCTIONS - ADS185

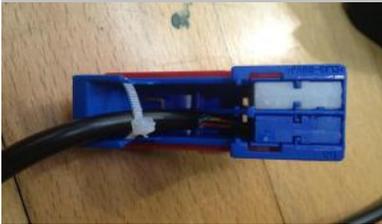
Type 3 - CAN 1

PINCODE READING - UNPROGRAMMED KEY - Y Cable ADC195

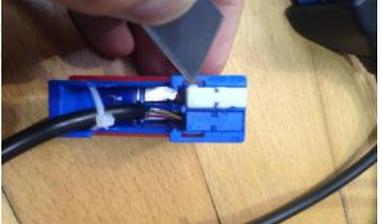
IF PINCODE can't be read then you will be prompted to use the Y cable. Switch tester off and follow procedure using the Y cable.

ADC195 operation for reading PIN from BCM
 These instructions are for vehicles that have a non working key where you want to read the PIN from the BCM (Body control module – fuse box)

Looking at the MALE plug on the ADC195 – turn it on its side so that the slide connectors are visible:



Using a small sharp object, bend the retaining tag (seen below in blue at the tip of the blade) away from the white plug slightly and then slide out the white block connector. This can be discarded.



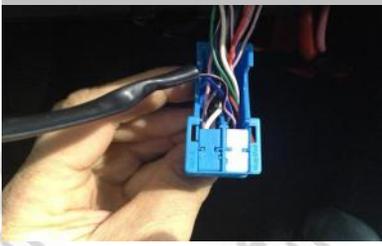
You are now left with the ADC195 with a free slot where the white connector was – once you have done this part, you will not need to do it again:



Remove the Blue male vehicle connector from the vehicles BCM:



Now do the same thing with the male connector from the vehicle



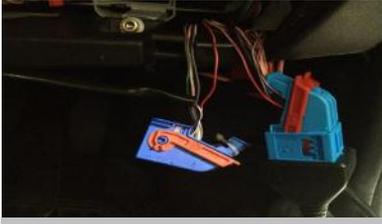
Slide the white connector out:



Once the white connector is out of the vehicle plug, connect the vehicles BLUE plug to the ADC195 female cable (seen below on the right):



and then slide the vehicles WHITE plug (seen above on the left) into the ADC195 male connector.



Lastly, fit the blue male connector of the ADC195 (seen above on the left) in to the vehicle BCM and then connect the OBD lead. You can then continue to read the PIN from the BCM by selecting option 2 (Y-cable)



SPECIAL FUNCTIONS - ADS185

Type 3 - CAN 1

PINCODE READING - UNPROGRAMMED KEY

VEHICLE SELECTION

- + ALFA
- + BMW
- + CITROEN
- + DAEWOO
- + FIAT**
- + FORD

READ PINCODE

ADC250(OBD)

X

ONCE YOU HAVE CYCLED KEY 5 TIMES—DETECTED SHOULD SAY 4—THEN WEB CODES WILL APPEAR

VEHICLE SELECTION

- + EURO**
- + S. AMERICA

READ PINCODE

SWITCH IGNITION OFF

PRESS ENTER KEY

WEB CODES

A4 E9 7B 30 C8 B2
 6B ED 87 DD B1 01
 6E C3 17 86 5E E9
 46 D8 8B A6 B5 D4
 72 28 43 70 FF B2

PRESS ENTER KEY

VEHICLE SELECTION

- 500**
- BRAVO
- CROMA
- PUNTO

READ PINCODE

READ PINCODE

SWITCH IGNITION ON

Pincodes can be also be obtained from the AD website

VEHICLE SELECTION

- IMMOBILISER
- + READ PINCODE**

READ PINCODE

SWITCH IGNITION OFF

PRESS ENTER KEY



The next screen will be the security smartcard & calculator prompt

SWITCH IGNITION OFF

READ PINCODE

YOU HAVE 30 SECONDS TO CYCLE IGNITION OFF / ON 5 TIMES

TIME:01

SWITCH IGNITION ON

Now you are now ready to proceed to the following steps.

1. Pre-code keys using AD900Pro (Page 23)
2. Program keys / remotes

Note: Due to security updates, ID46 Transponder pre-coding has changed from 6 bytes to 8 bytes of data. Please update your pro testers—including the AD900Pro.

ID48 pre-coding remains as before

1. ADC250 (OBD)
 2. ADC195 (Y-CABLE)

PLEASE TRY OPTION 1 FIRST , IF OPTION 1 FAILS THEN TRY OPTION 2

1	2	3	4	5
6	7	8	9	0

READ PINCODE

YOU HAVE 30 SECONDS TO CYCLE IGNITION OFF / ON 5 TIMES

TIME:03

SWITCH IGNITION OFF ->ON

DETECTED:01



SPECIAL FUNCTIONS - ADS185

Type 3 - CAN 1

PROGRAM KEYS

DIAGNOSTIC MENU

ECU IDENTIFICATION
 FAULT CODES
 ACTUATORS
 >SPECIAL FUNCTIONS

PROGRAMMING KEYS

KEYS PROGRAMMED:2
 PROGRAM NEXT KEY?



PROGRAM
 NEXT REMOTE



DIAGNOSTIC MENU

>PROGRAM KEYS
 KEY INFORMATION
 REMOTE INFORMATION

DO YOU WANT TO
 PROGRAM REMOTES?



PROGRAMMING REMOTE

REMOTES STORED : 1

PRESS ENTER KEY

PROGRAMMING KEYS

KEYS NOT AVAILABLE
 WILL BE DELETED AND
 CAN BE USED AGAIN

PRESS ENTER KEY

SECURITY CODE
 - - - - -

DIAGNOSTIC MENU

PROGRAM KEYS
 KEY INFORMATION
 REMOTE INFORMATION

PRESS ENTER KEY

SECURITY CODE

- - - - -

1	2	3	4	5
6	7	8	9	0

SECURITY CODE

1 2 3 4 5

IS THIS CORRECT

OK = ENTER CLEAR = BACK

REMOTE DATA

REMOTES STORED : 2
 LAST REMOTE: 1
 LAST REMOTE ID : 20.00.44.552.2

PRESS ENTER KEY

PROGRAMMING KEYS

KEYS PROGRAMMED:1
 PROGRAM NEXT KEY?



WARNING

FOLLOW NEXT SCREENS
 QUICKLY & CAREFULLY

COMPLETE OPERATION
 WITHIN 15 SECS

AFTER PRESSING ENTER

PROCEDURE COMPLETE

PROGRAMMING KEYS

REMOVE KEY
 INSERT NEXT KEY
 SWITCH IGNITION ON

PRESS ENTER KEY

PROGRAMMING REMOTE

PRESS REMOTE
 AND HOLD FOR 3 SEC'S

Type 4 - CAN 2

***FIAT / ALFA / LANCIA /
ABARTH***

Process

1 - Read PINCODE

2 - Program Keys / Remotes

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WWW.ADUSA.US

SPECIAL FUNCTIONS



Type 4 - CAN 2

PINCODE READING

VEHICLE SELECTION

- + ALFA
- + BMW
- + CITROEN
- + DAEWOO
- + FIAT
- + FORD

READ PINCODE

PINCODE:471182

PRESS ENTER

VEHICLE SELECTION

- + 500
- + BRAVO
- + CROMA
- + DOBLO
- + DUCATO
- +DUCATO 2

Now you are now ready
to proceed to the
following steps.

1. Program keys /
remotes

VEHICLE SELECTION

- IMMOBILISER
- + READ PINCODE

The next screen will be the
security smartcard &
calculator prompt

&

SWITCH IGNITION OFF

READ PINCODE

SWITCH IGNITION OFF

PRESS ENTER

READ PINCODE

INSERT KEY
SWITCH IGNITION ON



SPECIAL FUNCTIONS

Type 4 - CAN 2

PROGRAM KEYS

VEHICLE SELECTION

- + ALFA
- + BMW
- + CITROEN
- + DAEWOO
- + FIAT
- + FORD

PROGRAM KEYS

WEB SECURITY

PLEASE WAIT

PROGRAM KEYS

KEY INFORMATIONS

LAST KEY : ID : .24.266.2A8
LAST KEY : 2

VEHICLE SELECTION

- 147
- 156
- 166
- GT
- BRERA
- GIULIETTA

WEB SECURITY

PLEASE GAIN
AUTHORISATION
FROM AD

1732661063—1431840471

DIAGNOSTIC MENU

- PROGRAM KEYS
- KEY INFORMATION

PRESS ENTER KEY

SWITCH IGNITION ON

PRESS ENTER KEY

NOTE : SECURITY ACCESS IS REQUIRED FROM THE AD WEB SITE TO PROCEED, PLEASE OBTAIN THE WEB SECURITY CODE FROM THE FIAT CODED PAGE USING YOUR USERNAME AND PASSWORD PLUS THE TESTER UNIT AND PASSCODE.

PROGRAMMING KEYS

KEYS NOT AVAILBALE
WILL BE DELETED AND
CANNOT BE USED AGAIN

PRESS ENTER KEY

ECU IDENTIFICATION

ISO : 6E 07 01 01 4F

PRESS ENTER KEY

WEB SECURITY

1	2	3	4	5
6	7	8	9	0

NOTE : ANY EXISTING KEYS NOT PROGRAMMED AT THIS STAGE ARE PERMANENTLY DELETED.

THEY CAN NEVER BE USED OR PROGRAMMED AGAIN !!!

DIAGNOSTIC MENU

- ECU IDENTIFICATION
- FAULT CODES
- SPECIAL FUNCTIONS

PRESS ENTER KEY

WEB SECURITY

1234567812345678



SECURITY CODE

DIAGNOSTIC MENU

- PROGRAM KEYS
- KEY INFORMATION

PRESS ENTER KEY

WEB SECURITY

ACCESS GRANTED

PRESS ENTER KEY

SECURITY CODE

1 2 3 4 5

IS THIS CORRECT

OK = ENTER

CLEAR = BACK

SPECIAL FUNCTIONS

Type 4 - CAN 2

PROGRAM KEYS

PROGRAMMING KEYS

KEYS PROGRAMMED : 1

DO YOU WANT TO
PROGRAM MORE KEYS

X



PROGRAMMING KEYS

REMOVE KEY

INSERT NEXT KEY

PRESS ENTER KEY

PROGRAMMING KEYS

KEYS PROGRAMMED : 2

DO YOU WANT TO
PROGRAM MORE KEYS

X



PROGRAMMING KEYS

KEYS PROGRAMMED : 2

PRESS ENTER KEY



SPECIAL FUNCTIONS

Fiat 2015—ADS231 Pincode Read & Precoding WITH SMART DONGLE & SMART AERIAL

PINCODE / PRECODE READ

NOTE : PRECODED DATA CAN BE WRITTEN ONTO A BLANK ID46 TRANSPONDER USING THE SMART AERIAL.

FIAT DEALER KEYS ORDERED TO VIN DO NOT REQUIRE PRECODING
AFTERMARKET KEYS WITH BLANK ID46 TRANSPONDER REQUIRE PRECODING.

RW4 / FAST COPY IN CONJUNCTION WITH ADC243 CABLE CAN BE USED IN PLACE OF SMART AERIAL

START BY CONNECTING THE SMART AERIAL TO THE SMART DONGLE - THEN CONNECT TESTER TO VEHICLE OBD SOCKET.

ENSURE IGNITION IS OFF

VEHICLE SELECTION

+ 199

READ PRE-CODING

ISO CODE: 40 CC 0061 56

PINCODE: 91672

PRESS ENTER KEY

VEHICLE SELECTION

+ READ PINCODE

IMMOBILISER

WWW.ADUSA.US

MAKE A NOTE OF THE PINCODE

SWITCH IGNITION ON

PRESS ENTER KEY

PRE CODING DATA

PLEASE INSERT A BLANK ID46 TRANSPONDER INTO THE SMART AERIAL / RW4 / FAST COPY

PRESS ENTER KEY

VEHICLE SELECTION

+ ALFA

+ BMW

+ CITROEN

+ DAEWOO

+ FIAT

+ FORD

KEY INFORMATION

KEYS STORED: 03

LAST KEY:01

LAST KEY ID: 29C06B59

KEYCODE. ST: 07 16 01

PRESS ENTER KEY

THE PRECODED KEY DATA IS WRITTEN ONTO THE BLANK ID46 TRANSPONDER VIA SMART AERIAL OR RW4

VEHICLE SELECTION

+ EURO

+ S. AMERICA

SWITCH IGNITION OFF

PRESS ENTER KEY

ID46 TRANSPONDER PRECODE SUCCESSFUL

PRESS ENTER KEY

VEHICLE SELECTION

500 L

BRAVO

CROMA

PUNTO

SPECIAL FUNCTIONS

Fiat 2015—ADS231 Pincode Read & Precoding WITH SMART DONGLE & SMART AERIAL

PINCODE / PRECODE READ—CONTIN

PRE CODING DATA

PROGRAMMING TRANSPONDER

PLEASE WAIT

PROGRAMMING COMPLETE . DO YOU

WANT TO PROGRAM ANOTHER
TRANSPONDER

X



ADDITIONAL PRECODED KEYS
CAN BE PROGRAMMED IF
REQUIRED

PRE CODING DATA

SWITCH OFF AD100PRO

RESET BCM

PRESS ENTER KEY

THE ID46 TRANSPONDER HAS
NOW BEEN PROGRAMMED
WITH THE PRECODED KEY
DATA WHICH WILL ENABLE IT
TO BE PROGRAMMED TO THE
VEHICLE

IMPORTANT:

YOU MUST RESET THE BCM
ONCE THE PINCODE HAS BEEN
READ

RE-SETTING THE BCM

BCM IS LOCATED BEHIND
THE GLOVEBOX ON THE
FIAT 500L.

REMOVE RETAINING CLIP
AND LOWER THE
GLOVEBOX LID

DISCONNECT GREY POW-
ER CONNECTOR FOR 5
SECONDS THEN
RECONNECT

RESETTING THE BCM
WILL RESET THE THE
TIME AND DATE

REMEMBER TO REST
THESE ALSO



SPECIAL FUNCTIONS

Fiat 2015—ADS231 Key Programming

PROGRAM KEYS

VEHICLE SELECTION

- + ALFA
- + BMW
- + CITROEN
- + DAEWOO
- + FIAT**
- + FORD

SWITCH IGNITION ON

PRESS ENTER KEY

SECURITY CODE

1	2	3	4	5
6	7	8	9	0

VEHICLE SELECTION

- + EURO**
- + S. AMERICA

ECU IDENTIFICATION

VIN : ZFA19900005064365
 ISO CODE: 40 EF 8B 91 39

PRESS ENTER KEY

**ENTER THE PINCODE
 SUPPLIED BY THE DEALER
 OR READ USING THE
 PINCODE FUNCTION**

VEHICLE SELECTION

- 500**
- BRAVO
- CROMA
- PUNTO

DIAGNOSTIC MENU

- ECU IDENTIFICATION
- FAULT CODES
- SPECIAL FUNCTIONS**

PRESS ENTER KEY

PROGRAM KEYS

KEYS : 01
 KEY—WITH REMOTE

VEHICLE SELECTION

- + 199**

DIAGNOSTIC MENU

- PROGRAM KEYS
- KEY INFORMATION**

PRESS ENTER KEY

PROGRAM KEYS

DO YOU WANT TO
 PROGRAM MORE KEYS



VEHICLE SELECTION

- + READ PINCODE
- + IMMOBILISER**

PROGRAM KEYS

KEYS NOT AVAILABLE WILL BE
 DELETED AND CANNOT BE USED
 AGAIN

PRESS ENTER KEY

PROGRAM KEYS

SWITCH IGNITION OFF
 REMOVE KEY

PRESS ENTER KEY

**ENSURE ALL KEYS TO BE
 PROGRAMMED ARE
 PRESENT**

SPECIAL FUNCTIONS

Fiat 2015—ADS231 Key Programming

PROGRAM KEYS - CONTIN

PROGRAM KEYS

INSERT NEXT KEY
SWITCH IGNITION ON

PRESS ENTER KEY

PROGRAM KEYS

KEYS : 02
KEY— NO REMOTE

PROGRAM KEYS
DO YOU WANT TO
PROGRAM MORE KEYS



PROGRAMMING KEYS

KEYS PROGRAMMED: 02
KEYS DISABLED: 02

PRESS ENTER KEY

PROCEDURE COMPLETE

TIPS & HINTS

1. Any keys not Programmed at this point will be deleted permanently, including existing keys.
2. The pin code for remotes is different from the pin code for the keys. Please request both alarm code (for remote) & immobiliser code (for keys) from the dealer.

3. **FIAT DUCATO II**
CITROEN RELAY II
PEUGEOT BOXER II

There are a number of these vehicles that have been programmed incorrect at the factory, and will reject the pin code even though the pin code is correct for the vehicle.

The only solution is to replace the Immobiliser box.

Just order a new immo box, fit it to the vehicle, and code keys as normal using the PIN CODE that you had applied for, that matches that vehicle.

If the pre-coding has been typed incorrectly the tester will appear to lock when trying to program that transponder - actually it is not locked (as pressing the ENTER button for instance will cause the tester to make a sound, which proves it is not locked) - the tester is in fact merely waiting for the vehicle to present a valid transponder with valid pre-coding on it. As soon as you do this the screen will change to "key programmed"

ALL VEHICLES

Emergency Key Access

On early vehicles the EKA can be gained by using the 4 digit code as follows:

1. Turn the ignition on and when the EMS light illuminates and extinguishes, press the accelerator pedal to the floor and release.
2. When the EMS starts to flash, count the number of flashes and when the first digit has been flashed, press the accelerator pedal to the floor and release.
3. Continue this method until all 4 digits have been entered and then the car should be able to be started.

Adding a Key Manually on Red Key (master) early systems

1. Insert red key, turn ignition on and off again as soon as the immobiliser light goes out.
2. Within 10 seconds, remove the master key and insert the first additional key to be programmed.
3. Switch ignition on and back off again as soon as the immobiliser goes out.
4. Within 10 seconds repeat the procedure for subsequent keys. A max of 7 keys can be programmed using this method.
5. After all keys have been programmed, close the system by inserting the master key and turning the ignition on and off, immediately after the immobiliser light goes out.

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



SEICENTO

1. Firstly obtain the 4 digit security code for the vehicle
2. Press the button (in the interior light assembly there is a button and an LED next to the alarm ultrasonics) for about a second and the LED will flash.
3. Release the button
4. After approx 5 seconds the LED will flash once
5. Enter the first digit of the security code using the button as above.
6. Wait for about 5 seconds and the LED will flash once. Enter the second digit of the security code as above- if one of the digits is a zero, do not press the button at all and wait for the single flash requesting the next digit.
7. If all the numbers are entered correctly the LED will flash for 10 seconds Whilst the LED is flashing, press and hold the button near the interior light (used above) The LED will continue to flash until you press a button of a remote- it will then remain on.
8. Release button of remote and the one in the interior light.
9. Repeat for subsequent remotes

CINQUECENTO

1. Firstly obtain the 4 digit security code for the vehicle
2. Press the button (in the interior light assembly there is a button and an LED next to the alarm ultrasonics) for about a second and the LED will flash.
3. Release the button
4. After approx 5 seconds the LED will flash once
5. Enter the first digit of the security code using the button as above.
6. Wait for about 5 seconds and the LED will flash once
7. Enter the second digit of the security code as above- if one of the digits is a zero, do not press the button at all and wait for the single flash requesting the next digit.
8. If all the numbers are entered correctly the LED will flash for 10 seconds whilst the LED is flashing, press and hold the button near the interior light (used above)
9. The LED will continue to flash until you press a button of a remote- it will then remain on.
10. Release button of remote and the one in the interior light.

BRAVO/BRAVA

1. Firstly obtain the 4 digit security code for the vehicle
2. Press the button (in the interior light assembly there is a button and an LED next to the alarm ultrasonics) for about a second and the LED will flash.
3. Release the button
4. After approx 5 seconds the LED will flash once
5. Enter the first digit of the security code using the button as above. Wait for about 5 seconds and the LED will flash once
6. Enter the second digit of the security code as above- if one of the digits is a zero, do not press the button at all and wait for the single flash requesting the next digit.
7. If all the numbers are entered correctly the LED will flash for 10 seconds whilst the LED is flashing, press and hold the right hand button near the interior light (used above)
8. The LED will continue to flash until you press a button of a remote- it will then remain on.
9. Release button of remote and the one in the interior light.

COUPE/BARCHETTA

1. Firstly obtain the 4 digit security code for the vehicle
2. Press button (in the interior light assembly there is a button and an LED next to the alarm ultrasonic) for about a second and the LED will flash.
3. Release the button
4. After approx 5 seconds the LED will flash once
5. Enter the first digit of the security code using the button as above.
6. Wait for about 5 seconds and the LED will flash once
7. Enter the second digit of the security code as above- if one of the digits is a zero, do not press the button at all and wait for the single flash requesting the next digit.
8. If all the numbers are entered correctly the LED will flash for 10 seconds whilst the LED is flashing, press and hold the right hand button near the interior light (used above)
9. The LED will continue to flash until you press a button of a remote- then remain on.
10. Release button of remote and the one in the interior light.

REMOTE PROGRAMMING



ULYSSEE

New remotes cannot be programmed without the use of diagnostic equipment but existing remotes can be synchronised as follows:

1. Switch on the ignition
2. Press the lock or unlock button and hold for 10 seconds.
3. Press the lock or unlock button and hold for 10 seconds, do this on all remotes to synchronise them.

SCUDO

New remotes cannot be programmed without the use of diagnostic equipment but existing remotes can be synchronised as follows:

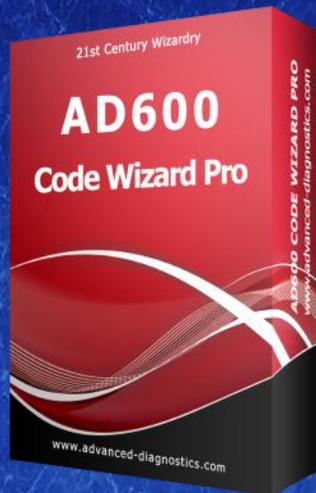
1. Switch on the ignition
2. Wait for the system LED to extinguish
3. Press the lock or unlock button and hold for 10 seconds, do this on all remotes to synchronise them.



AD900Pro

Transponder Cloning

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



AD600

Code Wizard Pro

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.



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.