ADVANCED DIAGNOSTICS

Unlocking Technology

VW / Audi Group

(Version 8.0)

World Leaders In Automotive Key Programming Equipment

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APPLICATIONS Have Moved to IQ - Online

A

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Applications are continually updated as vehicles are constantly added.

To ensure you have the very latest information,

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

containing vehicle technical data for key & remote programming

for all manufacturers.

To view the latest vehicle applications please visit

Info Quest at

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

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VAG Software	
ADS115	VW - Audi - Seat - Skoda
ADS146	Bentley - Porsche - VW - Seat - Skoda CAN BUS
ADS186	VAG 2012

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DIAGNOSTIC SOCKETS/PORTS

B

AUDI

A2

A4

A6

TT(8J)

COUPE

NEW A6

ALLROAD

A3

A8

Q7

Q5

A4 (8K)

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AUDI

R8

A3 8P

A5 8T

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SEAT

LEON

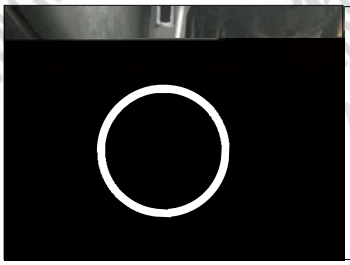
AROSA

TOLEDO (PRE CAN)

IBIZA

LEON 2007+

IBIZA 6J



ALTEA

ALHAMBRA 7M9

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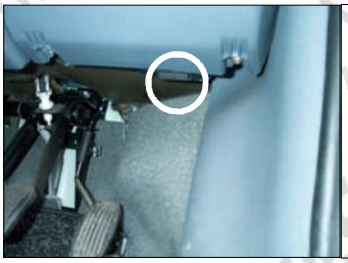
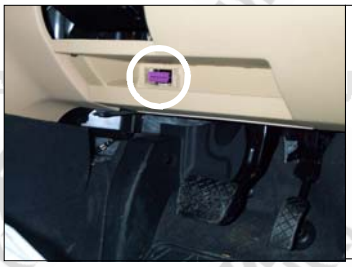
SKODA



FELICIA



OCTAVIA

OCTAVIA

TOLEDO (CAN)

FABIA

ROOMSTER

FABIA (545)

OCTAVIA (1Z)

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VOLKSWAGEN

TOUAREG

TIGUAN

GOLF

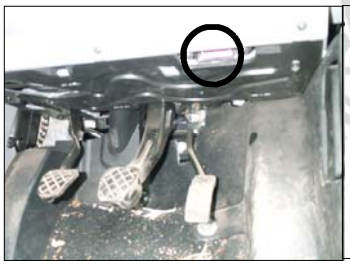
PASSAT

PASSAT 2

POLO

SHARAN

GOLF



BEETLE

CARAVELLE

LUPO

POLO

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VOLKSWAGEN

POLO

LT

TOURAN

GOLF MK 5

CRAFTER

CADDY

PHAETON

PASSAT

CARAVELLE 7HM

SCIROCCO

POLO 9R

SHARAN 7M6

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VOLKSWAGEN

FOX 5Z

CRAFTER

AMOROK 2H

LUPO 6X1

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VAG vehicles are fitted with 3 types of immobiliser system

System 1
Consists of a separate immobiliser ECU which controls the recognition of keys and the Engine Management ECU system.

System 2
The immobiliser is integrated within the vehicle dashboard.

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The Immobiliser ECU enables up to 8 keys to be programmed and are recognised via the transponder aerial mounted around the Ignition lock.

If the keys are lost or a replacement Engine Management ECU is fitted then the transponder keys will need programming so that the ECU memory recognises the codes.

PIN CODE
Due to the difficulty in obtaining the pin codes from VW and AUDI dealers,
software has been developed to assist extracting the pin code from the vehicle.

If you have purchased this software for your tester, then you have several methods of trying to extract the pin code. Pin code reading is a complex area and constantly being developed.

SYSTEM IDENTIFICATION
To identify the correct system, check to see whether the Dashboard has the following symbol when the ignition is on :

SYSTEM 1 : DOES NOT HAVE THE SYMBOL

SYSTEM 2 : IN MOST CASES DOES HAVE THIS SYMBOL

1. When reading Pin codes from vehicle memory, if loss of communications is experienced, try reading fault codes, then clearing fault codes then read the pin code.

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2. If when programming keys, the tester displays the following

   KEYS PROGRAMMED : 136

   This means the incorrect PIN CODE has been entered.

   KEYS PROGRAMMED : 0

This means that the PIN CODE has been entered incorrectly more than three times, and the system will need resetting By leaving the ignition ON for 35 minutes.

3. You cannot program a key immediately after reading a PIN, you must disconnect the tester and cycle the ignition.

4. Immobiliser warning light on all the time after key programming (engine starts and runs) - the number of keys selected to be programmed was not the number of keys that were ACTUALLY programmed.
5. Lost Keys - On certain models from the Golf Mk5 onwards, there is a 5 minute wait time before new keys can be coded. This was introduced by VW to combat the 'Gone in 60 seconds' scenario of stealing vehicles.

EMERGENCY START

a. Switch IGNITION ON and turn the clock set button to the right and at the same time press and hold the trip reset button for 1 second.
b. "0000" appears on the display, press the trip button to input the first digit of the pin code. Turn the clock set button to the right to move to the next digit. Repeat for all 4 digits.
c. Then with the correct pin code entered turn the clock set button to the right and press the trip reset button for 1 second.
d. The Immobiliser light will stay on, and the car can run for 45 minutes.

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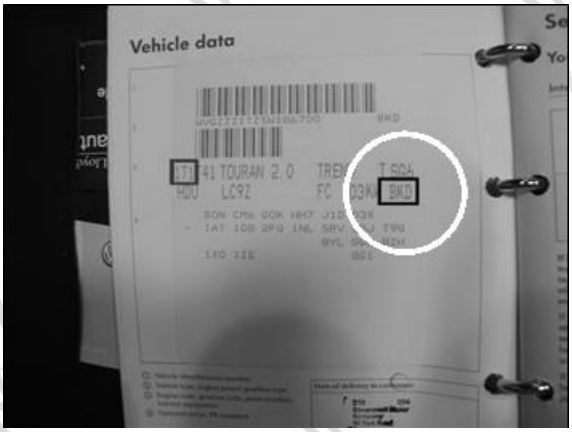
ENGINE CODE IDENTIFICATION
(ENGINE)

(SERVICE BOOK)



(WHEEL WELL/BOOT)

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VW / SEAT / SKODA / AUDI—SYSTEM 1

PROGRAM KEYS

VEHICLE SELECTION

+ SSANGYONG
+ SAAB
+ SUZUKI
+ SUBARU
+ TOYOTA
+ VOLKSWAGEN

VEHICLE SELECTION

+ BEETLE
+ CADDY
+ EOS
+ FOX
+ GOL
+ GOLF/BORA/JETTA

VEHICLE SELECTION

+ 6N
+ 9N

PRESS ENTER KEY

VEHICLE SELECTION

IMMOBILISER
REMOTE
SRS AIRBAG
AUTO.GEARBOX
READ PIN CODE

SWITCH IGNITION ON

PRESS ENTER KEY

ECU IDENTIFICATION

1H093267 B
IMMO VWZ3Z0V
4191855 V00

PRESS ENTER KEY

PROGRAM KEYS

DIAGNOSTIC MENU

ECU IDENTIFICATION
FAULT CODES
SPECIAL FUNCTIONS

DIAGNOSTIC MENU

PROGRAM KEYS
KEY COUNT

PRESS ENTER KEY

SECURITY CODE

_ _ _ _

1	2	3	4	5
6	7	8	9	0

SECURITY CODE

22BC

✘ ✓

PROGRAMMING KEYS

ACCESS GAINED

PROGRAMMING KEYS

KEYS PROGRAMMED : 2
TOTAL KEYS REQD :

1	2	3	4	5
6	7	8	9	0

PROGRAM KEYS

PROGRAMMING KEYS

KEYS PROGRAMMED : 2
TOTAL KEYS REQD : 1

✘ ✓

PLEASE PROGRAM
ADDITIONAL KEYS
IF NECESSARY

PRESS ENTER KEY

NOTE : ALL KEYS THAT REQUIRE PROGRAMMING MUST BE CYCLED IN AT THIS POINT.

SO IF 2 KEYS WERE SELECTED ON THE PREVIOUS SCREENS, 2 KEYS MUST NOW BE CYCLED IN.

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VW / SEAT / SKODA / AUDI—SYSTEM 2

PROGRAM KEYS

VEHICLE SELECTION
+ SSANGYONG
+ SAAB
+ SUZUKI
+ SUBARU
+ TOYOTA
+ VOLKSWAGEN

VEHICLE SELECTION
+ BEETLE
+ CADDY
+ EOS
+ FOX
+ GOL
+ GOLF/BORA/JETTA

VEHICLE SELECTION
+ 6N
+ 9N

PRESS ENTER KEY

VEHICLE SELECTION
IMMOBILISER
REMOTE
SRS AIRBAG
AUTO.GEARBOX
READ PIN CODE

SWITCH IGNITION ON

PRESS ENTER KEY

ECU IDENTIFICATION
1H093267 B
IMMO VWZ3Z0V
4191855 V00

PRESS ENTER KEY

PROGRAM KEYS

DIAGNOSTIC MENU
ECU IDENTIFICATION
FAULT CODES
SPECIAL FUNCTIONS

DIAGNOSTIC MENU
PROGRAM KEYS
SECURITY INFO
KEYS PROGRAMMED

PRESS ENTER KEY

SECURITY INFORMATION
DASH LOCK TIME : 0s
ECU LOCK TIME : 0m
EMERG RELEASE : 0
TRANS RECOGN : 0
PRESS ENTER

NOTE : THE DASH LOCK AND ECU LOCK TIMES SHOULD BE AT ZERO.

IF THEY ARE NOT, LEAVE IGNITION ON UNTIL ZERO IS DISPLAYED, THEN PROGRAM THE KEYS.

SECURITY INFORMATION
IMMO STATUS
NO INFORMATION
RECEIVED
PRESS ENTER

DIAGNOSTIC MENU
PROGRAM KEYS
SECURITY INFO
KEYS PROGRAMMED

PRESS ENTER KEY

PROGRAM KEYS

SECURITY CODE
– – – –

1	2	3	4	5
6	7	8	9	0

SECURITY CODE
22BC

✘ ✓

PROGRAMMING KEYS
ACCESS GAINED

PROGRAMMING KEYS
KEYS PROGRAMMED : 2
TOTAL KEYS REQD :

1	2	3	4	5
6	7	8	9	0

PROGRAMMING KEYS
KEYS PROGRAMMED : 2
TOTAL KEYS REQD : 1

✘ ✓

PLEASE PROGRAM
ADDITIONAL KEYS
IF NECESSARY

PRESS ENTER KEY

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VOLKSWAGEN—TOUAREG

ERASE KEYS

VEHICLE SELECTION

+ SSANGYONG
+ SAAB
+ SUZUKI
+ SUBARU
+ TOYOTA
+ VOLKSWAGEN

VEHICLE SELECTION

+ BEETLE
+ CADDY
+ EOS
+ FOX
+ GOL
+ TOUREG

VEHICLE SELECTION

+ 7LA

PRESS ENTER KEY

VEHICLE SELECTION

IMMOBILISER

READ PIN CODE

VEHICLE SELECTION

READ PIN EMS

READ PIN EDC

PRESS AND HOLD BRAKE

PRESS ENTER KEY

ERASE KEYS

ECU IDENTIFICATION

ID : 3D0 909 139B

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION

FAULT CODES

SPECIAL FUNCTIONS

DIAGNOSTIC MENU

ERASE KEYS

KEY PROGRAMMING

KEY INFORMATION

PRESS ENTER KEY

KEY INFORMATION

NUMBER OF KEYS : 1

61 16 25 00 BF 25 00 28

00 BF 08 0A 01 B6 38 34

0 03 00 00 E8 00 00 0E 2C

PRESS ENTER KEY

DIAGNOSTIC MENU

ERASE KEYS

KEY PROGRAMMING

KEY INFORMATION

PRESS ENTER KEY

ERASE KEYS

ARE YOU SURE

✘ ✓

ERASE KEYS

SECURITY CODE

_ _ _ _

1	2	3	4	5
6	7	8	9	0

SECURITY CODE

0 1 2 3 4

✘ ✓

PROGRAMMING KEYS

ACCESS GRANTED

PLEASE WAIT

. . . . . .

ERASE KEYS

KEYS ERASED

PRESS ENTER KEY

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VOLKSWAGEN—TOUAREG

PROGRAM KEYS

DIAGNOSTIC MENU
ERASE KEYS
KEY PROGRAMMING
KEY INFORMATION
PRESS ENTER KEY

REMOVE KEY
PRESS ENTER KEY

SECURITY CODE
_ _ _ _

1	2	3	4	5
6	7	8	9	0

SECURITY CODE
0 1 2 3 4
✗ ✓

PROGRAM KEYS
TOTAL KEYS REQD : 1
✗ ✓

INSERT KEY
WAIT FOR
DASHBOARD TO LIGHT
PRESS ENTER KEY

PROGRAM KEYS

SECURITY ACCESS
ACCESS GRANTED

PLEASE WAIT
. . . . . .

REMOVE KEY
PRESS ENTER KEY

PLEASE WAIT
. . . . . .

INSERT KEY
PRESS ENTER KEY

TURN KEY TO START VEHICLE
AND HOLD
UNTIL STEERING UNLOCKS
PRESS ENTER KEY

PROGRAM KEYS

REMOVE KEY
PRESS ENTER KEY

INSERT KEY
PRESS ENTER KEY

PLEASE WAIT
05 MINUTES
TIME ELAPSED : 0

PROGRAM KEYS
PROCEDURE COMPLETE
PRESS ENTER KEY

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PIN CODE READING EMS SYSTEMS

PIN CODE READING

VEHICLE SELECTION

+ SSANGYONG
+ SAAB
+ SUZUKI
+ SUBARU
+ TOYOTA
+ VOLKSWAGEN

VEHICLE SELECTION

+ BEETLE
+ CADDY
+ EOS
+ FOX
+ GOL
+ GOLF/BORA/JETTA

VEHICLE SELECTION

+ 6N
+ 9N

PRESS ENTER KEY

VEHICLE SELECTION

IMMOBILISER
REMOTE
AUTO.GEARBOX
PIN CODE READING
VAG SRS

VEHICLE SELECTION

DASHBOARD
PINCODE SYSTEM 1
READ PIN EMS
READ PIN CAN
READ PIN EDC

VEHICLE SELECTION

AAC
AEE
BXE
BXD
BYA

PRESS ENTER KEY

PIN CODE READING

SWITCH IGNITION ON

PRESS ENTER KEY

ECU IDENTIFICATION

+- ML906032 1.8L R4
0010R4/5.VT
ML906032
1.8L VT

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
FAULT CODES
SPECIAL FUNCTIONS

PRESS ENTER KEY

VEHICLE SELECTION

READ PINCODE

READ PINCODE

PLEASE WAIT

. . . . . .

PINCODE

9997

AD900 PRO PRECODING

2A 3C 4F 54 66 88 XX

PRESS ENTER KEY

PIN CODE READING

NOTE : THE PIN CODE READING IS NOW DONE BY IDENTIFYING THE ENGINE CODE.

EXAMPLES ARE SHOWN BELOW.

NOTE : FOR INFORMATION ABOUT PRECODING TRANSPONDERS USING THE AD900 PRO PLEASE PROCEED TO THE NEXT SECION.

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PIN CODE READING EDC SYSTEMS

PIN CODE READING

VEHICLE SELECTION

+ SSANGYONG
+ SAAB
+ SUZUKI
+ SUBARU
+ TOYOTA
+ VOLKSWAGEN

VEHICLE SELECTION

+ BEETLE
+ CADDY
+ EOS
+ FOX
+ GOL
+ GOLF/BORA/JETTA

VEHICLE SELECTION

+ 6N
+ 9N

PRESS ENTER KEY

VEHICLE SELECTION

IMMOBILISER
REMOTE
AUTO.GEARBOX
PIN CODE READING
VAG SRS

VEHICLE SELECTION

DASHBOARD
PINCODE SYSTEM 1
READ PIN EMS
READ PIN CAN
READ PIN EDC

VEHICLE SELECTION

AAC
AEE
BXE
BXD
BYA

PRESS ENTER KEY

PIN CODE READING

SWITCH IGNITION ON

PRESS ENTER KEY

ECU IDENTIFICATION

VAG EDC

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
SPECIAL FUNCTIONS

PRESS ENTER KEY

VEHICLE SELECTION

READ PINCODE

READ PINCODE

PLEASE WAIT

. . . . . .

PINCODE

PIN CODE 9997

AD900 PRO PRECODING

2A 3C 4F 54 66 88 12 36

PRESS ENTER KEY

PIN CODE READING

NOTE : THE PIN CODE READING IS NOW DONE BY IDENTIFYING THE ENGINE CODE.

EXAMPLES ARE SHOWN BELOW.

NOTE : FOR INFORMATION ABOUT PRECODING TRANSPONDERS USING THE AD900 PRO PLEASE PROCEED TO THE NEXT SECTION.

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PRECODING TRANSPONDERS

AD900 PRO PRECODE

READ PINCODE

PIN CODE 99976

AD900 PRO PRECODING

2A 3C 4F 54 66 88 12 36

UNKNOWN 7th BYTE USE AD900 TO CALCULATE
SWITCH IGNITION OFF
SWITCH AD100PRO OFF

PRESS ENTER KEY

USE THE INFORMATION PROVIDED TO PRE-CODE THE TRANSPONDER USING THE AD900PRO

IF PROMPTED BY THE DISPLAY SCREEN THAT THERE ARE TWO UNKNOWN LAST DIGITS USE THE AD100PRO IN CONJUNCTION WITH AD900PRO TO CALCULATE

VEHICLE SELECTION

IMMOBILISER
REMOTE
AUTO.GEARBOX
PIN CODE READING
VAG SRS

DIAGNOSTIC MENU

ECU IDENTIFICATION
SPECIAL FUNCTIONS

PRESS ENTER KEY

DIAGNOSTIC MENU

PROGRAM KEYS
PROGRAM REMOTES
KEY STATUS

PRESS ENTER KEY

AD900 PRO PRECODE

KEY STATUS

CORRECT TRANSPONDER:YES OR NO
NUMBER OF KEYS: 2
KEY PROGRAMMED : YES OR NO
TRANSPONDER LOCKED : YES OR NO

PRESS ENTER KEY

NOTE : CORRECT TRANSPONDER IS THE REQUIRED SETTING THAT NEEDS TO BE CHECKED.

LEAVE THE TOOL CONNECTED ON THIS SCREEN.

SWITCH AD900 PRO ON AND SELECT SPECIAL FUNCTIONS, THEN SELECT PRECODING

THEN SELECT VW,AUDI,SEAT OR SKODA

INSERT CORRECT BLANK TRANSPONDER INTO AD900 PRO.

ENTER THE 8 BYTES OF DATA INTO THE AD900 PRO.

PRESS NEXT ON THE AD900 PRO, AND IT WILL NOW WRITE THAT CODE TO THE TRANSPONDER. IF WRITING IS SUCESSFUL REMOVE TRANSPONDER AND PLACE INTO THE NEW KEY AND PROGRAM KEY.

IF DISPLAY MOVES ONTO 'CONTINUE SCANNING SCREEN' THIS INDICATES THAT PRECODING DATA IS INCOMPLETE. REMOVE THE TRANSPONDER AND PLACE INTO THE NEW KEY.

AD900 PRO PRECODE

INSERT KEY INTO IGNITION, BUT DO NOT TURN IGNITION ON.

CHECK THE CORRECT TRANSPONDER STATUS FOR ANY CHANGE FROM NO TO YES.

IF CORRECT TRANSPONDER IS YES THEN PROCEED TO PROGRAM THIS KEY AS NORMAL.

IF NO THEN CONTINUE

REMOVE TRANSPONDER AND PLACE BACK INTO THE AD900 PRO.

PRESS THE NEXT BUTTON AND THE AD900 PRO WILL INCREMENT THE CODE TO THE NEXT VALUE.

INSERT TRANSPONDER INTO THE KEY AND REPEAT THE AUTHENTICATION CHECK UNTIL YOU HAVE A YES ON THE KEY INFORMATION SCREEN.

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PROGRAM KEYS

A WORKING KEY IS REQUIRED FOR MOST VEHICLES WITH VDO CLUSTERS.

ERASE KEYS WHEN YOU HAVE A WORKING KEY BUT THE OTHER KEYS HAVE BEEN LOST

VEHICLE SELECTION
+ SSANGYONG
+ SAAB
+ SUZUKI
+ SUBARU
+ TOYOTA
+ VOLKSWAGEN

VEHICLE SELECTION
+ AUTO DETECT
+ BY SYSTEM
+ BY VEHICLE

SWITCH IGNITION ON

PRESS ENTER KEY

ECU IDENTIFICATION
DETECTING VEHICLE MODEL
PLEASE WAIT
****

ECU IDENTIFICATION
VIN:WV WZZZ1KZAW203885
GOLF / SAGITAR (1K)
PROTOCOL: CAN UDS
IS THE CODE CORRECT
✘ ✓

SYSTEM SELECTION
+ IMMOBILISER
+ REMOTE

ECU IDENTIFICATION
VIN:WV WZZZ1KZAW203885
PART:WVWZZZ1KZAW202
ID:5K0 953 236 2
TYPE:IMMO 28
PRESS ENTER KEY

DIAGNOSTIC MENU
ECU IDENTIFICATION
SPECIAL FUNCTIONS

DIAGNOSTIC MENU
PROGRAM KEYS
KEY INFORMATION

KEY INFORMATION
MODE:06
TOTAL KEYS REQD: 03
KEYS PROGRAMMED:03
IGN. KEY ID: 6C 0A 8F 9F
KEY # 01 ID: 6C 0A 8F 49
KEY # 02 ID: 10 98 E0 AB
KEY # 03 ID: 10 98 E0 AB
PRESS ENTER KEY

DIAGNOSTIC MENU
PROGRAM KEYS
KEY INFORMATION

WARNING
NEW KEYS MUST
CONTAIN VIRGIN
MEGAMOS ID48 TRANSPONDERS
PRESS ENTER KEY

NOTE
DASH PANEL WILL SWITCH ON / OFF DURING KEY PROGRAMMING. DASH PANEL WILL BE RESET AFTER PROCEDURE IS COMPLETE
PRESS ENTER KEY

PROGRAM KEYS
DO YOU WANT TO ERASE KEYS?
✘ ✓

GAINING ACCESS
****

PROGRAM KEYS
SWITCH IGNITION OFF
REMOVE KEY
PRESS ENTER KEY

PROGRAM KEYS
INSERT KEY TO PROGRAM
SWITCH IGNITION ON
PRESS ENTER KEY

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PROGRAM KEYS CONTIN

THE PROGRAMMED KEY SHOULD BE DISPLAYED IN THE CLUSTER

1-1

WHEN AN ADDITIONAL KEY IS PROGRAMMED THE CLUSTER WILL DISPLAY

2 - 2

PROGRAM KEYS

DO YOU WANT TO PROGRAM MORE KEYS

✘ ✓

PROGRAM KEYS

SWITCH IGNITION OFF

REMOVE KEY

PRESS ENTER KEY

PROGRAM KEYS

INSERT KEY TO PROGRAM

SWITCH IGNITION ON

PRESS ENTER KEY

PROGRAM KEYS

DO YOU WANT TO PROGRAM MORE KEYS

✘ ✓

PROGRAM KEYS

PROCEDURE COMPLETE

PRESS ENTER KEY

PROGRAM REMOTES

SYSTEM SELECTION

+ IMMOBILISER

+ REMOTE

PLEASE WAIT

TRYING TO COMMUNICATE

WWW.ADUSA.US

ECU IDENTIFICATION

ID: 1K5 937 086

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION

SPECIAL FUNCTIONS

DIAGNOSTIC MENU

PROGRAM REMOTES

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PROGRAM REMOTES

DO YOU WANT TO ERASE REMOTES

✘ ✓

ERASE REMOTES

PLEASE WAIT

****

PROGRAM REMOTE

PRESS UNLOCK BUTTON

PRESS ENTER KEY

PROGRAM REMOTE

DO YOU WANT TO PROGRAM MORE REMOTES

✘ ✓

PROGRAM REMOTE

PROCEDURE COMPLETE

PRESS ENTER KEY

REPEAT THE PROCEDURE FOR ADDITIONAL REMOTES

CYCLE REMOTES AFTER PROGRAMMING

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PROGRAM KEYS

NO WORKING KEY IS REQUIRED FOR MOST VEHICLES WITH MARELLI CLUSTERS.

ERASE KEYS WHEN YOU HAVE A WORKING KEY BUT THE OTHER KEYS HAVE BEEN LOST

SYSTEM SELECTION

+ IMMOBILISER

+ REMOTE

WARNING

NEW KEYS MUST

CONTAIN VIRGIN

MEGAMOS ID48 TRANSPONDERS

PRESS ENTER KEY

VEHICLE SELECTION

+ SSANGYONG

+ SAAB

+ SUZUKI

+ SUBARU

+ TOYOTA

+ VOLKSWAGEN

ECU IDENTIFICATION

VIN: WV WZZZAAZED016803

PART:WVWZZZAAZED016

ID:ISO 920 960N 1

TYPE:IMMO 68

PRESS ENTER KEY

NOTE

DASH PANEL WILL SWITCH ON / OFF DURING KEY PROGRAMMING. DASH PANEL WILL BE RESET AFTER PROCEDURE IS COMPLETE

PRESS ENTER KEY

VEHICLE SELECTION

+ AUTO DETECT

+ BY SYSTEM

+ BY VEHICLE

DIAGNOSTIC MENU

ECU IDENTIFICATION

SPECIAL FUNCTIONS

PROGRAM KEYS

DO YOU WANT TO ERASE KEYS?

✘ ✓

SWITCH IGNITION ON

PRESS ENTER KEY

DIAGNOSTIC MENU

PROGRAM KEYS

KEY INFORMATION

PROGRAM KEYS

ACCESS GAINED

ECU IDENTIFICATION

DETECTING VEHICLE MODEL

PLEASE WAIT

****

KEY INFORMATION

MODE:06
TOTAL KEYS REQD: 03

KEYS PROGRAMMED:03

IGN. KEY ID: F3 0A 8F 9F
KEY # 01 ID: F3 0A 8F 49

KEY # 02 ID: 38 98 E0 AB

KEY # 03 ID: FE 98 E0 AB

PRESS ENTER KEY

SWITCH IGNITION OFF

REMOVE KEY

PRESS ENTER KEY

ECU IDENTIFICATION

VIN:WV WZZZAAZED016803
UP! (AA)
PROTOCOL: CAN UDS

IS THE CODE CORRECT

✘ ✓

DIAGNOSTIC MENU

PROGRAM KEYS

KEY INFORMATION

PROGRAM KEYS

INSERT KEY TO PROGRAM

SWITCH IGNITION ON

PRESS ENTER KEY

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PROGRAM KEYS CONTIN

PROGRAM KEYS

DO YOU WANT TO PROGRAM MORE KEYS?

✘ ✓

THE PROGRAMMED KEY SHOULD BE DISPLAYED IN THE CLUSTER

1-1

WHEN AN ADDITIONAL KEY IS PROGRAMMED THE CLUSTER WILL DISPLAY

2 - 2

PROGRAM KEYS

ACCESS GAINED

SWITCH IGNITION OFF

REMOVE KEY

PRESS ENTER KEY

PROGRAM KEYS

INSERT KEY TO PROGRAM

SWITCH IGNITION ON

PRESS ENTER KEY

PROGRAM KEYS

DO YOU WANT TO PROGRAM MORE KEYS

✘ ✓

PROGRAM KEYS

PROCEDURE COMPLETE

PRESS ENTER KEY

PROGRAM REMOTES

SYSTEM SELECTION

+ IMMOBILISER

+ REMOTE

ECU IDENTIFICATION

ID: 121 937 086

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION

SPECIAL FUNCTIONS

DIAGNOSTIC MENU

PROGRAM REMOTES

PROGRAM REMOTES

DO YOU WANT TO ERASE REMOTES?

✘ ✓

ERASE REMOTES

PLEASE WAIT

****

PROGRAM REMOTE

PRESS UNLOCK BUTTON

PRESS ENTER KEY

PROGRAM REMOTES

DO YOU WANT TO PROGRAM MORE REMOTES?

✘ ✓

PROGRAM REMOTE

PROCEDURE COMPLETE

PRESS ENTER KEY

REPEAT THE PROCEDURE FOR ADDITIONAL REMOTES

CYCLE REMOTES AFTER PROGRAMMING

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Remote Control Programming (1997 ON)

Procedure

1. Switch Ignition ON and leave the key in the ignition.
2. Mechanically lock the vehicle using the drivers door using a second key.
3. Using the remote control press the unlock button once, and the horn will sound once.
4. Wait 6 seconds and press the unlock button once to activate the coding procedure. The remote control will now be programmed.

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NOTE : When performing programming on additional remotes the procedure is the same, except you press the unlock button 2, 3 or 4 times for the different remote.

For example : If programming 2 remotes press the unlock button twice with a 1 second interval between each press, repeat for 3 and 4 remotes.

5. Switch Ignition OFF.
6. Remove key from ignition and check for operation.
7. The coding procedure can be repeated up to 4 times for additional remotes.
8. The ignition must be switched OFF between programming each remote control.

Remote Control Erasing (1997 ON)

Procedure

1. Switch Ignition ON and leave the key in the ignition.
2. Mechanically lock the vehicle using the Drivers door using a second key.
3. Press the remote control lock button 5 times in 1 second intervals. A short horn will sound or indicators will flash.
4. Wait 6 seconds and press the unlock button once to activate memory erase.
5. Switch ignition OFF, all remotes are now erased.

Remote Control Synchronisation (VAG CAN Vehicles)

Procedure

1. Open the car using the drivers door.
2. Press the remote control ***unlock*** button once.
3. Put the key into the ignition and switch on.
4. Switch ignition off and remove the key.
5. Press a button on the remote control.
6. Procedure Complete

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IGNITION BYPASS INFORMATION

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General

ADC187 is a cable designed specifically for use on VAG vehicles. It is used for performing a “force ignition” operation – this means turning ON the ignition electronically, rather than using an ignition key or start button. This is usually required when we need to read a PIN before programming a key but the vehicle does not allow the ignition to be turned ON using an un-programmed key. Another use for the ADC187 is to enable you to turn the ignition ON before cutting a mechanical key – this may be necessary to electronically check the mechanical key number or as a test to make sure you can read the PIN before cutting a (possibly expensive) transponder key. The principle of operation for ADC187 is to put a battery feed to the ignition system of the vehicle prior to the process of PIN reading, it is however NOT required when programming a key. If you leave the ADC187 connected whilst performing key programming you run the risk of damaging the vehicles immobiliser system, or not being able to program more than one key (because you cannot turn the ignition OFF with the ADC187 connected)

Operation

First gain access to the vehicle battery (usually under the bonnet on VAG vehicles) and connect the red battery clip to the positive terminal of the battery: Once you have connected the battery positive clip you will need to gain ac cess to the vehicles fuse box. This may be the under bonnet fuse box, or one of the fuse boxes inside the vehicle.

WARNING: Be very careful not to touch any of the fuse link tips onto the vehicle bodywork – this will blow the inline fuse and will mean that the cable will not work.

VW TOURAN (1T)

FUSE 11

VW GOLF (1K)

FUSE 6

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VW GOLF (5M)

FUSE 11

VW GOLF (5K)

FUSE 6

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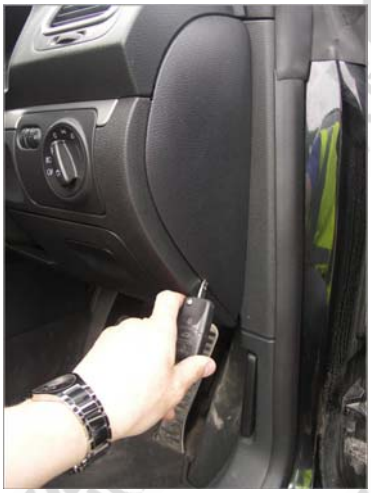
6VW EOS (1F)



FUSE 6

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VW PASSAT (3B)

FUSE 31

VW PASSAT (3C)

FUSE 1

VW TOUAREG (7L) DIESEL

FUSE 26

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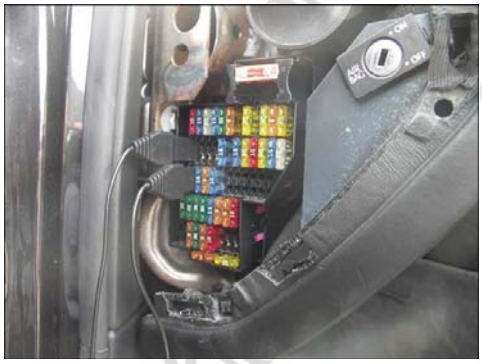
VW TOUAREG (7L) PETROL



FUSE 26 & 36

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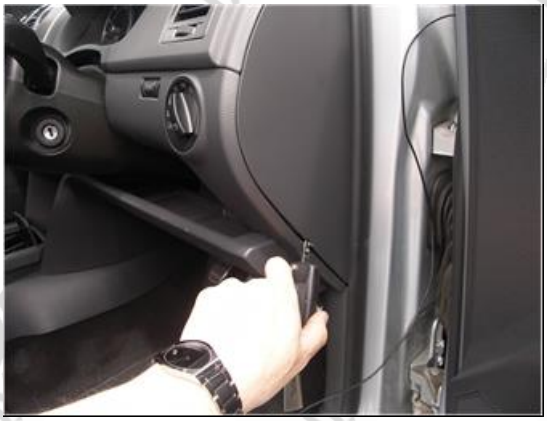
VW TIGUAN (5N)

FUSE 25

VW POLO (9N)



FUSE 14

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VW JETTA (1K)

FUSE 4

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VW LT 35 (2D)

FUSE 2

VW CADDY (2K)

FUSE 11

VW TRANSPORTER (7H)

FUSE 20

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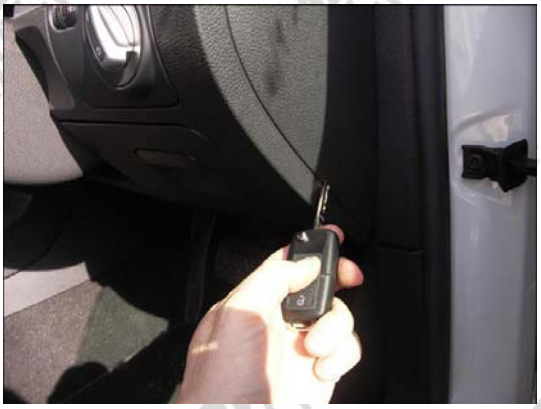
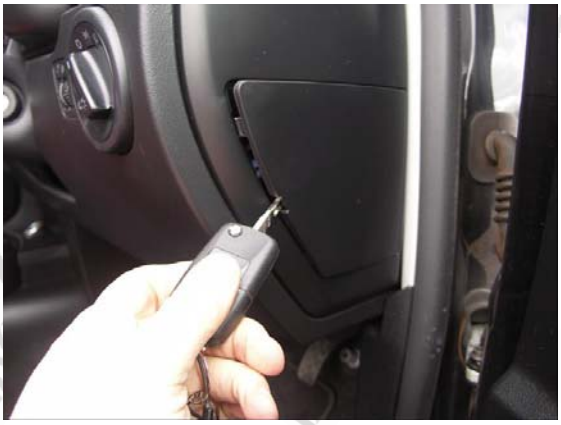
VW SCIRROCO (13)



FUSE 6

VW BEETLE (1Y)



FUSE 9

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VW SHARAN (7M6)

FUSE 1

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VW FOX (5Z)

FUSE 30

VW SHARAN (7N1)

FUSE 16

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VW POLO (6R)

FUSE 2

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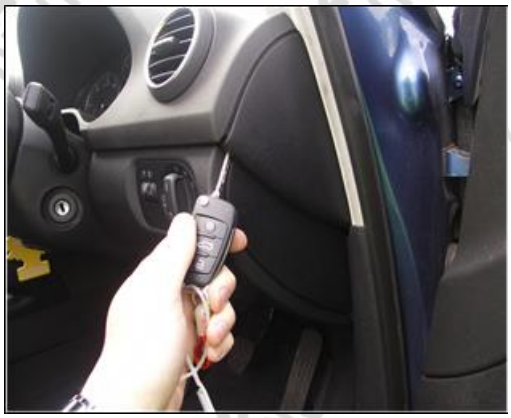
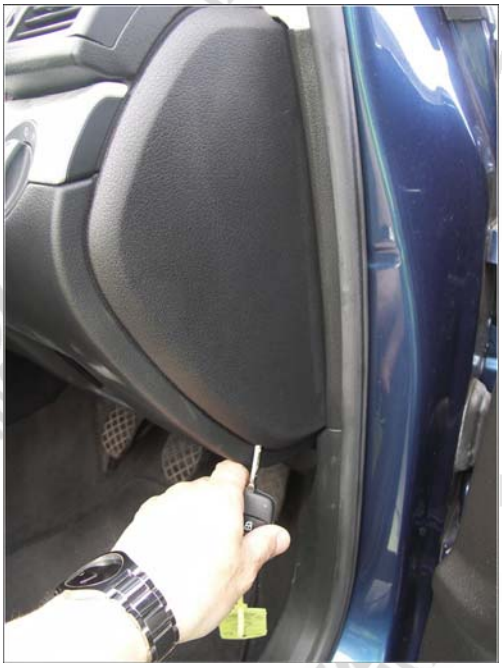
AUDI A3 (8P)



FUSE 1

AUDI A4 (8E)



FUSE 43

AUDI A6 (4F)

FUSE 7

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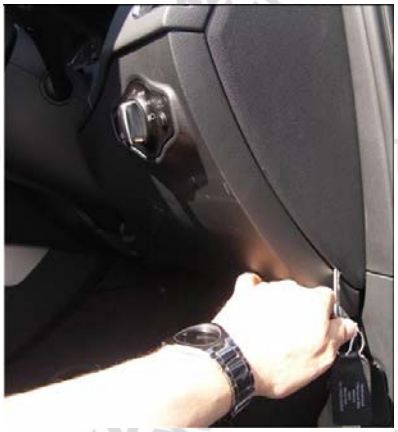
AUDI Q5 (8R) - FUSE 16



AUDI Q7 (4L)

FUSE 5 IN BLACK FUSE HOLDER

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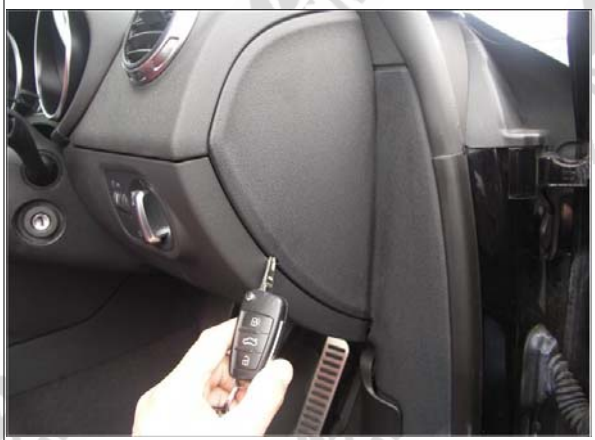
AUDI TT (8J)



FUSE 12

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AUDI A4 (8K)

FUSE 15 &16

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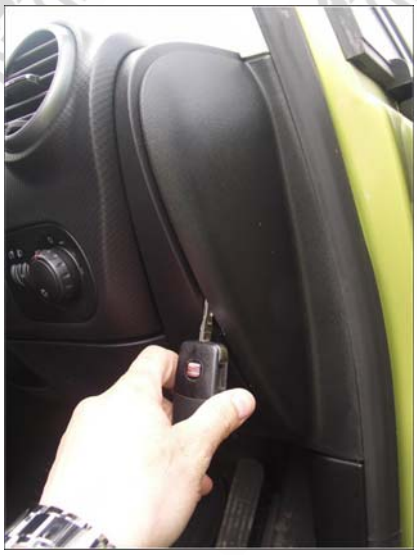
SEAT LEON (1P)



FUSE 6

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SEAT ALTEA (5P)

FUSE 9

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SEAT ALHAMBRA (7N)

FUSE 1

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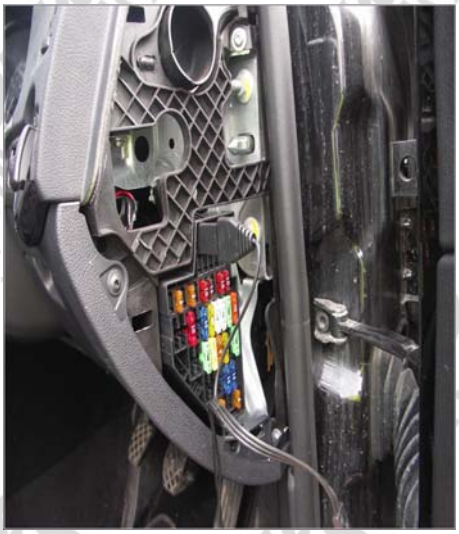
SEAT IBIZA (6L)

FUSE 17

SKODA FABIA (6Y)

FUSE 7

SKODA OCTAVIA (1Z)



FUSE 1

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SKODA ROOMSTER (5J)

FUSE 10

SKODA FABIA (545)

FUSE 14

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PORSCHE CAYENNE (9PA)

FUSE 26 & 36

BENTLEY CONTINENTAL (3W3)

FUSE 54

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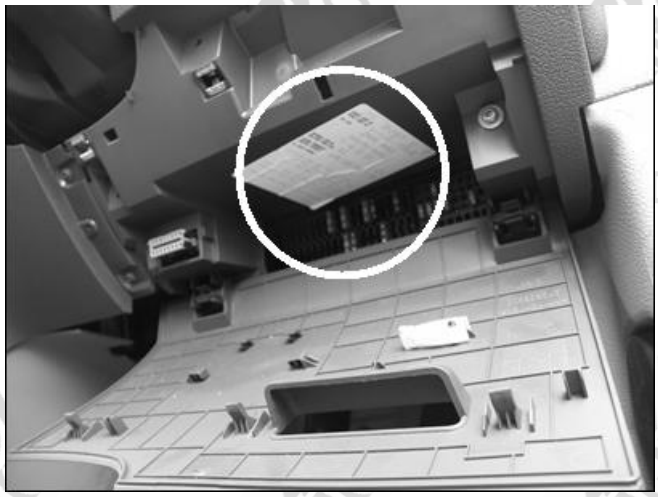
VEHICLE IDENTIFICATION LABELS

UNDER THE REAR SEAT

AUDI A4 (8ED ESTATE)

REAR SIDE PANEL

SEAT ALHAMBRA (7M)
VW SHARAN (7M)



ABOVE FUSE PANEL

VW CADDY (2K)

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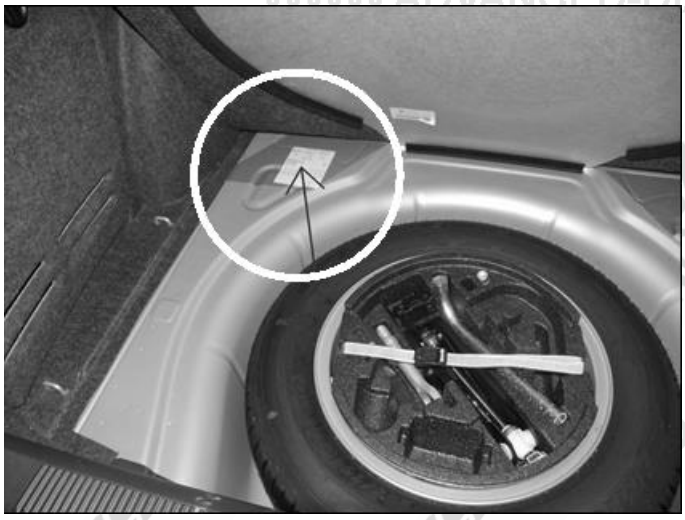
DIAGNOSTIC SOCKET COVER

VW CRAFTER (2F)

FUSE BOX COVER

VW LT (2D)



REAR COMPARTMENT

MOST MODELS FOR VW, AUDI, SEAT AND SKODA ARE FOUND IN THIS LOCATION.

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ABOVE PEDALS

VW TRANSPORTER (7H)

UNDER DRIVERS SEAT

VW TRANSPORTER (7H)

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VEHICLE IDENTIFICATION LABELS

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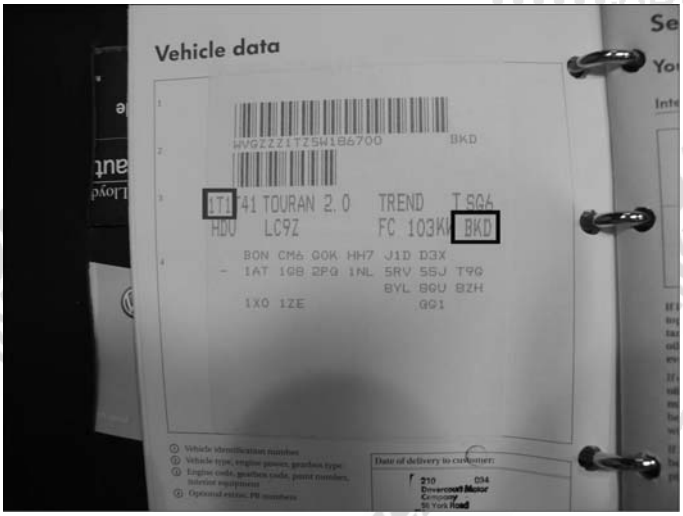
SAMPLE LABEL



SERVICE BOOK LOCATION

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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.

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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.