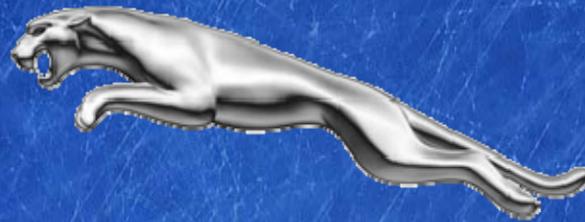


# ADVANCED DIAGNOSTICS

Unlocking Technology

# JAGUAR

(Version 2.4)



# JAGUAR



World Leaders In Automotive Key Programming Equipment

[www.advanced-diagnostics.com](http://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.co.uk/>

### Jaguar Software

ADS151

Jaguar

ADS207

Jaguar - Land Rover  
2013

# DIAGNOSTIC SOCKETS/PORTS

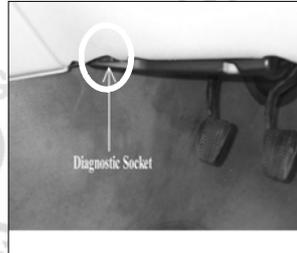


# B

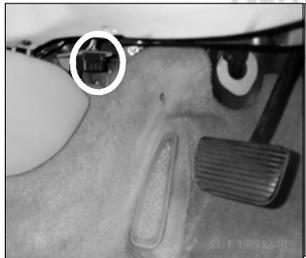
## JAGUAR



S-TYPE



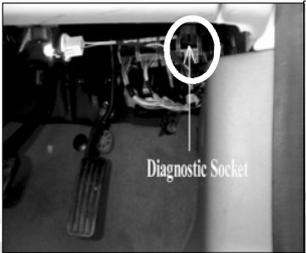
S-TYPE2



XJ



XK-TYPE



X-TYPE

WWW.ADVANCED-DIAGNOSTICS.CO.UK

WWW.ADUSA.US



## INTRODUCTION

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 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, Dash panel or Drive Train 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.

The proximity key programming system is a two tier procedure. You must program the remotes first and then the immobiliser to complete the process. There are two types of proximity system for Jaguar. Vehicles. All vehicles up to 2012 should have a key slot on the dashboard. Vehicles manufactured 2013 onwards will not have a slot on the Dashboard.

WWW.ADUSA.US

WWW.ADVANCED-DIAGNOSTICS.CO.UK

WWW.ADUSA.US

# SPECIAL FUNCTIONS



## S TYPE PATS VEHICLES

### PROGRAM KEYS

#### VEHICLE SELECTION

+ AUDI  
+ CHRYSLER  
**+ JAGUAR**  
+ GMUSA  
+ HONDA  
+ HYUNDAI

#### VEHICLE SELECTION

**+ IMMOBILISER**  
+ REMOTE FUNCTIONS

#### VEHICLE SELECTION

+ XJ6  
+ XJ8  
+ XJR  
+ XK8  
**+ S-TYPE**

PRESS ENTER KEY

#### VEHICLE SELECTION

**96 -> 98(SCP)**  
98 -> 2005 (CAN)  
2005 -> (CAN)

PRESS ENTER KEY

#### ECU IDENTIFICATION

PATS

PRESS ENTER KEY

#### DIAGNOSTIC MENU

ECU IDENTIFICATION  
FAULT CODES  
**SPECIAL FUNCTIONS**

PRESS ENTER KEY

### PROGRAM KEYS

#### DIAGNOSTIC MENU

#### CLEAR PATS

KEYS PROGRAMMED  
ADD KEY

PRESS ENTER KEY

#### TIMED ACCESS

CLEAR TIME 10:00  
KEYS PROGRAMMED : 2

PRESS ENTER KEY

#### CLEAR PATS KEY

GAINING ACCESS  
TIME REQUIRED : 10:00  
TIME ELAPSED : 0:00  
ACCESS STATUS  
IN PROGRESS  
**BACK TO ABOUT**

#### PROGRAM KEYS

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

NOTE : AFTER THE SYSTEM HAS BEEN CLEARED.

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

### ADD KEY

#### DIAGNOSTIC MENU

CLEAR PATS  
KEYS PROGRAMMED  
**ADD KEY**

PRESS ENTER KEY

#### TIMED ACCESS

CLEAR TIME 10:00  
KEYS PROGRAMMED : 2

PRESS ENTER KEY

#### CLEAR PATS KEY

GAINING ACCESS  
TIME REQUIRED : 10:00  
TIME ELAPSED : 0:00  
ACCESS STATUS  
IN PROGRESS  
**BACK TO ABOUT**

#### KEY PROGRAMMED

DISCONNECT TESTER  
FROM VEHICLE

# SPECIAL FUNCTIONS



## CAN SYSTEM VEHICLES

### PROGRAM KEYS

#### VEHICLE SELECTION

- + AUDI
- + CHRYSLER
- + JAGUAR**
- + GMUSA
- + HONDA
- + HYUNDAI

#### VEHICLE SELECTION

- + IMMOBILISER**
- + REMOTE FUNCTIONS

#### VEHICLE SELECTION

- + XJ6
- + XJ8
- + XJR
- + XK8
- + S-TYPE**

#### VEHICLE SELECTION

- 96 -> 98(SCP)
- 98 -> 2005 (CAN)**
- 2005 -> (CAN)

PRESS ENTER KEY

SWITCH IGNITION ON

PRESS ENTER KEY

#### ECU IDENTIFICATION

JAG CAN  
INSTRUMENT PACK

PRESS ENTER KEY

### PROGRAM KEYS

#### DIAGNOSTIC MENU

- ECU IDENTIFICATION
- SPECIAL FUNCTIONS**

PRESS ENTER KEY

#### DIAGNOSTIC MENU

- CLEAR / PROGRAM KEYS**
- KEYS PROGRAMMED

PRESS ENTER KEY

#### WEB SECURITY

PLEASE WAIT

#### WEB SECURITY

PLEASE GAIN  
AUTHORISATION  
FROM AD

1732661063—1431840471

PRESS ENTER KEY

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

#### WEB SECURITY

1	2	3	4	5
6	7	8	9	0

### PROGRAM KEYS

#### WEB SECURITY

1234567812345678



#### WEB SECURITY

ACCESS GRANTED

PRESS ENTER KEY

#### CLEAR KEYS

WARNING  
ALL KEYS WILL  
BE CLEARED  
CONTINUE



#### PROGRAM KEYS

ALL KEYS CLEARED  
KEYS PROGRAMMED : 0  
MIN KEYS REQUIRED : 2

PRESS ENTER KEY

#### PROGRAM KEYS

INSERT NEXT KEY  
SWITCH IGNITION ON

PRESS ENTER KEY

NOTE : REMOVE THE KEY FROM THE IGNITION, AND INSERT THE SECOND KEY.  
THEN SWITCH IGNITION ON

# SPECIAL FUNCTIONS



## CAN SYSTEM VEHICLES

### PROGRAM KEYS

PROGRAM KEYS

PLEASE WAIT  
GAINING ACCESS

PRESS ENTER KEY

PROGRAM KEYS

IGN.KEY.OFF. THEN ON  
PRESS ENTER TO CONT.

PROGRAM KEYS

PLEASE INSERT  
FIRST KEY  
SWITCH IGNITION ON  
PRESS ENTER TO CONT.

PROGRAM KEYS

KEYS PROGRAMMED : 2

PRESS ENTER KEY

# SPECIAL FUNCTIONS



## ADS207 JAGUAR (PROXIMITY)

### PROGRAM REMOTES

**IMPORTANT - You must program remotes before programming keys**

**IMPORTANT You will need a minimum of two keys**

XF 2008 TO 2012 - DONGLE L  
XJ 2010 TO 2011 - DONGLE L  
XK 2008 ONWARDS - DONGLE L

MVPPRO USERS—ONE TOKEN WILL BE USED FOR REMOT / IMMOBILISER PROGRAMMING

#### VEHICLE SELECTION

+ REMOTES  
+ IMMOBILISER

#### DIAGNOSTIC MENU

ECU IDENTIFICATION  
SPECIAL FUNCTIONS

PRESS ENTER KEY

#### VEHICLE SELECTION

+ AUDI  
+ CHRYSLER  
+ JAGUAR  
+ GMUSA  
+ HONDA  
+ HYUNDAI

PRESS START BUTTON

PRESS ENTER KEY

#### DIAGNOSTIC MENU

PROGRAM REMOTES  
REMOTES PROGRAMMED

PRESS ENTER KEY

#### VEHICLE SELECTION

+ IMMOBILISER  
+ REMOTE FUNCTIONS  
+ PROXIMITY

PLEASE WAIT  
TRYING TO COMMUNICATE

PRESS ENTER KEY

#### REMOTES PROGRAMMED

ANY REMOTES CURRENTLY  
PROGRAMMED MUST BE PLACED  
AROUND THE CENTRE CONSOLE  
TO BE DETECTED

PRESS ENTER KEY

#### VEHICLE SELECTION

+ XJ (356) 10 >11  
+ XJ (351) 11 >  
+ XK (X150) 06 >  
+ XF (X250)

PRESS START BUTTON

PRESS ENTER KEY

#### REMOTES PROGRAMMED

REMOTES PROGRAMMED : 2  
REMOTES PRESENT : 0

PRESS ENTER KEY

#### VEHICLE SELECTION

+ 08 > 12  
+ 13 >

#### ECU IDENTIFICATION

JAGUAR PROXIMITY REMOTES

PRESS ENTER KEY

#### NOTE:

WHEN PROGRAMMING  
REMOTES - ONLY ONE  
REMOTE SHOULD BE INSIDE  
THE CAR IN YOUR HAND.

KEEP THE 2ND REMOTE OUT  
OF THE CAR WHILE YOU  
PROGRAM THE FIRST  
REMOTE.

# SPECIAL FUNCTIONS



## ADS207 JAGUAR (PROXIMITY)

### PROGRAM REMOTES CONTINUED

XF 2008 TO 2012  
XJ 2010 TO 2011  
XK 2008 ONWARDS

#### DIAGNOSTIC MENU

##### PROGRAM REMOTES

REMOTES PROGRAMMED

PRESS ENTER KEY

#### PROGRAM REMOTES

THE FOLLOWING OPERATION  
MUST BE COMPLETED WITHIN 5  
SECONDS

PRESS ENTER KEY

REMOTES IN THE VEHICLE  
AND REMOTES NOT  
PRESENT WILL BE  
DELETED

#### PROGRAM REMOTES

PRESS THEN RELEASE UNLOCK  
BUTTON WITHIN 5 SECONDS

#### PROGRAM REMOTES

ENSURE ALL REMOTES TO BE  
PROGRAMMED ARE ACCESSIBLE  
BUT MUST BE KEPT OUTSIDE FROM  
THE VEHICLE

PRESS ENTER KEY

#### PROGRAM REMOTES

BACK TO EXIT  
ENTER TO PROGRAM NEXT REMOTE

#### PROGRAM REMOTES

**WARNING**  
ALL REMOTES WILL BE  
CLEARED

CONTINUE?



PLEASE REPEAT THE  
PROCESS TO PROGRAM  
ADDITIONAL REMOTES

#### PROGRAM REMOTES

PRESS 'START' BUTTON TO  
SWITCH IGNITION ON

PRESS ENTER KEY

#### PROGRAM REMOTES

PROCEDURE COMPLETE

PRESS ENTER KEY

#### PROGRAM REMOTES

PLEASE WAIT

# SPECIAL FUNCTIONS



## ADS207 JAGUAR (PROXIMITY)

XF 2008 TO 2012 - DONGLE A  
 XJ 2010 TO 2011 - DONGLE A  
 XK 2008 ONWARDS - DONGLE A

### PROGRAM IMMOBILISER

#### VEHICLE SELECTION

- + AUDI
- + CHRYSLER
- + JAGUAR**
- + GMUSA
- + HONDA
- + HYUNDAI

**PRESS START / STOP BUTTON**  
 ENSURE THAT THE REMOTES  
 ARE PROGRAMMED BEFORE  
 PROGRAMMING THE IMMOBILISER

**PRESS ENTER KEY**

#### DIAGNOSTIC MENU

**PROGRAM KEYS**  
 KEYS PROGRAMMED

**PRESS ENTER KEY**

#### VEHICLE SELECTION

- + IMMOBILISER
- + REMOTE FUNCTIONS
- + PROXIMITY**

#### ECU IDENTIFICATION

JAGUAR PROXIMITY

**PRESS ENTER KEY**

#### PROGRAM KEYS

**MINIMUM OF 2 KEYS REQUIRED**  
 ANY EXISTING KEYS NOT  
 PROGRAMMED DURING THIS  
 PROCEDURE WILL NEVER WORK  
 AGAIN  
**DO YOU  
 WANT TO  
 CONTINUE?**



#### VEHICLE SELECTION

- + XJ (356) 10 >11
- + XJ (351) 11 >
- + XK (X150) 06 >
- + XF (X250)**

#### DIAGNOSTIC MENU

ECU IDENTIFICATION  
**SPECIAL FUNCTIONS**

**PRESS ENTER KEY**

#### PROGRAM KEYS

YOU WILL BE ASKED TO ENTER THE  
 NUMBER OF EXISTING KEYS AND  
 THE NUMBER OF NEW KEYS TO  
 PROGRAM. EXISTING KEYS ARE KEYS  
 WHICH WILL STAY IN THE STARTER  
 CONTROL UNIT (SCU) WHEN INSERTED.

**PRESS ENTER KEY**

#### VEHICLE SELECTION

- + 08 > 12**
- + 13 >

#### DIAGNOSTIC MENU

**PROGRAM KEYS**  
 KEYS PROGRAMMED

**PRESS ENTER KEY**

Starter  
 Control Unit  
 (Key Slot)



#### NUMBER OF EXISTING KEYS

1	2	3	4	5
6	7	8	9	0

#### NUMBER OF EXISTING KEYS

1



# SPECIAL FUNCTIONS



## ADS207 JAGUAR (PROXIMITY)

### PROGRAM IMMOBILISER CONTINUED

*XF 2008 TO 2012  
XJ 2010 TO 2011  
XK 2008 ONWARDS*

NUMBER OF NEW KEYS

—

1	2	3	4	5
6	7	8	9	0

NUMBER OF NEW KEYS

1

x



PROGRAM KEYS

INSERT THE EXISTING KEY INTO  
SCU. ENSURE  
THAT THE KEY REMAINS FULLY  
INSERTED IN THE SCU  
EXISTING KEY : 1.

PRESS ENTER KEY

Starter  
Control Unit  
(Key Slot)



PROGRAM KEYS

ENSURE THAT IGNITION  
IS SWITCHED ON

PRESS ENTER KEY

PROGRAM KEYS

KEY STATUS  
SWITCHED ON  
62 C1 23 6C 2C 2C 6C

PRESS ENTER KEY

PROGRAM KEYS

PLEASE WAIT

PROGRAM KEYS

KEY ERASED  
SWITCH IGNITION OFF

PROGRAM KEYS

REMOVE KEY FROM THE  
SCU

PRESS ENTER KEY

PROGRAM KEYS

ENSURE THAT IGNITION  
IS SWITCHED ON

PRESS ENTER KEY

PROGRAM KEYS

SWITCH IGNITION OFF

PRESS ENTER KEY

PROGRAM KEYS

ALL EXISTING KEYS HAVE BEEN  
ERASED

PRESS ENTER KEY

PROGRAM KEYS

INSERT FIRST KEY INTO SCU  
ENSURE IGNITION IS ON

PRESS ENTER KEY

PROGRAM KEYS

ENSURE KEY REMAINS IN SCU  
\*\*\*\*\*  
PLEASE WAIT

PROGRAM KEYS

SWITCH IGNITION OFF

PRESS ENTER KEY

PROGRAM KEYS

REMOVE KEY FROM SCU

PRESS ENTER KEY

# SPECIAL FUNCTIONS



## ADS207 JAGUAR (PROXIMITY)

**PROGRAM  
IMMOBILISER** CONTINUED

*XF 2008 TO 2012  
XJ 2010 TO 2011  
XK 2008 ONWARDS*

**PROGRAM KEYS**

INSERT NEXT KEY INTO SCU  
ENSURE IGNITION IS ON

PRESS ENTER KEY

**PROGRAM REMOTES**

PROCEDURE COMPLETE

PRESS ENTER KEY

**PROGRAM KEYS**

ENSURE KEY REMAINS IN SCU  
\*\*\*\*\*  
PLEASE WAIT

**PROGRAM KEYS**

SWITCH IGNITION OFF

PRESS ENTER KEY

**PROGRAM KEYS**

REMOVE KEY FROM SCU

PRESS ENTER KEY

**KEYS PROGRAMMED**

KEYS PROGRAMMED : 2

PRESS ENTER KEY

# SPECIAL FUNCTIONS



## ADS207 JAGUAR (PROXIMITY)

XF 2013 - DONGLE L

### CLEAR KEYS

**NOTE:**

TO BE USED IN A LOST KEY SITUATION - WHEN EXISTING KEYS NEED TO BE ERASED.

### VEHICLE SELECTION

- + AUDI
- + CHRYSLER
- + JAGUAR
- + GMUSA
- + HONDA
- + HYUNDAI

### VEHICLE SELECTION

- + IMMOBILISER
- + REMOTE FUNCTIONS
- + PROXIMITY

### VEHICLE SELECTION

- + XJ (356) 10 >11
- + XJ (351) 11 >
- + XK (X150) 06 >
- + XF (X250)

PRESS ENTER KEY

### VEHICLE SELECTION

- + 08 > 12
- + 13 >

PRESS ENTER KEY

ENSURE THE IGNITION IS OFF  
THE TESTER WILL CONTROL  
THE VEHICLE'S  
IGNITION

PRESS ENTER KEY

### ECU IDENTIFICATION

PLEASE WAIT

### ECU IDENTIFICATION

VIN: SAJAC1625BNV16842

PRESS ENTER KEY

### DIAGNOSTIC MENU

ECU IDENTIFICATION  
SPECIAL FUNCTIONS

PRESS ENTER KEY

### DIAGNOSTIC MENU

ADD KEY  
KEYS PROGRAMMED  
CLEAR KEYS  
VIRGINISE KEYS

PRESS ENTER KEY

### KEYS PROGRAMMED

ANY KEYS CURRENTLY  
PROGRAMMED MUST BE PLACED  
AROUND THE CENTRE CONSOLE  
TO BE DETECTED

PRESS ENTER KEY

### KEYS PROGRAMMED

KEYS PROGRAMMED : 2  
KEYS PRESENT : 1

PRESS ENTER KEY

### DIAGNOSTIC MENU

ADD KEY  
KEYS PROGRAMMED  
CLEAR KEYS  
VIRGINISE KEYS

PRESS ENTER KEY

**NOTE:**

ANY KEYS CLEARED CAN BE  
ADDED BACK AT A LATER  
TIME

### CLEAR KEYS

**WARNING**  
ALL KEYS WILL BE CLEARED

CONTINUE?



### CLEAR KEYS

PLEASE WAIT

### CLEAR KEYS

PROCEDURE COMPLETE

PRESS ENTER KEY

ANY KEYS PRESENT WILL  
BE DETECTED  
AUTOMATICALLY BY THE  
TESTER INSIDE THE CAR

# SPECIAL FUNCTIONS



## ADS207 JAGUAR (PROXIMITY)

XF 2013 - DONGLE L

### PROGRAM KEYS

#### DIAGNOSTIC MENU

##### ADD KEY

KEYS PROGRAMMED  
CLEAR KEYS  
VIRGINISE KEYS

PRESS ENTER KEY

#### ADD KEY

KEY PROGRAMMED

'BACK' TO EXIT  
'ENTER' TO PROGRAM NEXT KEY

#### ADD KEY

ENSURE ALL KEYS TO BE  
PROGRAMMED ARE ACCESSIBLE  
BUT MUST BE KEPT OUTSIDE OF  
THE VEHICLE

PRESS ENTER KEY

#### NOTE:

PRESSING ENTER WILL  
PROMPT THE TESTER TO  
REPEAT THE PROCESS TO  
PROGRAM MORE KEYS

#### ADD KEY

PLEASE WAIT  
\*\*\*\*\*

#### ADD KEY

**PROCEDURE COMPLETE**  
SWITCH OFF THE TESTER AND  
ALLOW THE VEHICLE TO POWER  
DOWN BEFORE TESTING THE KEYS.

#### ADD KEY

PLACE THE KEY TO BE PROGRAMMED  
AROUND THE CENTRE CONSOLE. WHEN  
INSTRUCTED PRESS UNLOCK BUTTON ON  
THE KEY WITH IN 5 SECONDS.

ENSURE THAT ALL OTHER KEYS ARE  
OUTSIDE OF THE VEHICLE.

PRESS ENTER KEY

#### ADD KEY

PRESS UNLOCK ON THE KEY  
\*\*\*\*\*

WITHIN 5 SECONDS

# SPECIAL FUNCTIONS



## ADS207 - JAGUAR (PROXIMITY)

XF 2013 - DONGLE L

### VIRGINISE KEYS

#### NOTE:

THIS PROCEDURE SHOULD  
BE USED IF PROMPTED  
WHILST ADDING A KEY

#### DIAGNOSTIC MENU

ADD KEY

KEYS PROGRAMMED

CLEAR KEYS

**VIRGINISE KEYS**

PRESS ENTER KEY

#### VIRGINISE KEYS

THIS PROCEDURE IS USED TO  
VIRGINISE PREVIOUSLY  
PROGRAMMED KEYS TO ENABLE IT  
TO BE RE-LEARNT BY THE VEHICLE.

PLACE THE KEY AROUND THE  
CENTRE CONSOLE AND WHEN  
INSTRUCTED PRESS UNLOCK  
BUTTON ON THE KEY WITHIN 5  
SECONDS

PRESS ENTER KEY

#### VIRGINISE KEYS

PRESS UNLOCK ON THE KEY

\*\*\*\*\*

WITHIN 5 SECONDS

#### VIRGINISE KEYS

PROCEDURE COMPLETE

PRESS ENTER KEY

# SPECIAL FUNCTIONS



## ADS207 - JAGUAR (PROXIMITY)

XJ 2013—(DONGLE L REMOTES) (DONGLE A IMMOBILISER)

### PROGRAM KEYS

**IMPORTANT - You must program KEYS before programming IMMOBILISER**

#### VEHICLE SELECTION

- + AUDI
- + CHRYSLER
- + JAGUAR
- + GMUSA
- + HONDA
- + HYUNDAI

#### VEHICLE SELECTION

- + IMMOBILISER
- + REMOTE FUNCTIONS
- + PROXIMITY

#### VEHICLE SELECTION

- + XJ (356) 10 >11
- + XJ (351) 11 >
- + XK (X150) 06 >
- + XF (X250)

PRESS ENTER KEY

#### VEHICLE SELECTION

- + KEYS
- + IMMOBILISER

PRESS 'START' BUTTON

PRESS ENTER KEY

#### ECU IDENTIFICATION

VIN: SAJAC1625BNV16842

PRESS ENTER KEY

#### DIAGNOSTIC MENU

ECU IDENTIFICATION  
SPECIAL FUNCTIONS

WWW.ADUSA.US

#### DIAGNOSTIC MENU

ADD KEY  
KEYS PROGRAMMED  
CLEAR KEYS  
VIRGINISE KEYS

#### KEYS PROGRAMMED

ANY KEYS CURRENTLY PROGRAMMED MUST BE PLACED AROUND THE CENTRE CONSOLE TO BE DETECTED

PRESS ENTER KEY

ANY KEYS PRESENT WILL BE DETECTED AUTOMATICALLY BY THE TESTER INSIDE THE CAR

#### KEYS PROGRAMMED

KEYS PROGRAMMED : 2  
KEYS DETECTED : 1

PRESS ENTER KEY

#### DIAGNOSTIC MENU

##### ADD KEY

KEYS PROGRAMMED  
CLEAR KEYS  
VIRGINISE KEYS

##### ADD KEY

ENSURE ALL KEYS TO BE PROGRAMMED ARE ACCESSIBLE BUT MUST BE KEPT OUTSIDE OF THE VEHICLE

PRESS ENTER KEY

##### ADD KEY

PLEASE WAIT  
\*\*\*\*\*

##### ADD KEY

PLACE THE KEY TO BE PROGRAMMED AROUND THE CENTRE CONSOLE. WHEN INSTRUCTED PRESS UNLOCK BUTTON ON THE FIRST KEY WITHIN 5 SECS  
ENSURE THAT ALL OTHER KEYS ARE OUTSIDE OF THE VEHICLE.

PRESS ENTER KEY

##### ADD KEY

PRESS UNLOCK ON THE KEY  
\*\*\*\*\*  
WITHIN 5 SECONDS

NOTE :  
IT MAY BE NECESSARY TO VIRGINISE THE REMOTE.  
IF THIS IS REQUIRED YOU WILL BE PROMPTED TO DO SO.

# SPECIAL FUNCTIONS



## ADS207 - JAGUAR (PROXIMITY)

XJ 2013

### PROGRAM KEYS

ADD KEY

KEY PROGRAMMED  
'BACK' TO EXIT  
ENTER TO PROGRAM NEXT KEY

ADD KEY

#### PROCEDURE COMPLETE

SWITCH OFF THE TESTER AND  
ALLOW THE VEHICLE TO POWER  
DOWN BEFORE TESTING THE  
REMOTES. TO PROGRAM THE  
IMMOBILISER USE THE  
IMMOBILISER MENU SELECTION WITH  
DONGLE A

PRESS ENTER KEY

NOTE :

NOW PROCEED TO  
PROGRAMMING THE  
IMMOBILISER

### VIRGINISE KEYS

NOTE:

THIS PROCEDURE SHOULD BE  
USED IF PROMPTED WHILST  
ADDING A KEY

DIAGNOSTIC MENU

ADD KEY  
KEYS PROGRAMMED  
CLEAR KEYS  
**VIRGINISE KEYS**

VIRGINISE KEYS

THIS PROCEDURE IS USED TO  
VIRGINISE PREVIOUSLY  
PROGRAMMED KEYS TO ENABLE IT  
TO BE RE-LEARNT BY THE VEHICLE.

PLACE THE KEY AROUND THE  
CENTRE CONSOLE AND WHEN  
INSTRUCTED PRESS UNLOCK

BUTTON ON THE KEY WITHIN 5  
SECONDS

PRESS ENTER KEY

VIRGINISE KEYS

PRESS UNLOCK ON THE KEY  
\*\*\*\*\*  
WITHIN 5 SECONDS

VIRGINISE KEYS

PROCEDURE COMPLETE

PRESS ENTER KEY

### CLEAR KEYS

NOTE:

TO BE USED IN A LOST KEY  
SITUATION - WHEN  
EXISTING KEYS NEED TO BE  
ERASED.

DIAGNOSTIC MENU

ADD KEY  
KEYS PROGRAMMED  
**CLEAR KEYS**  
VIRGINISE KEYS

NOTE :

ANY KEYS CLEARED CAN BE  
ADDED BACK AT A LATER TIME

CLEAR KEYS

WARNING  
ALL KEYS WILL BE CLEARED  
CONTINUE?



CLEAR KEYS

PLEASE WAIT

CLEAR KEYS

PROCEDURE COMPLETE

PRESS ENTER KEY

# SPECIAL FUNCTIONS



## ADS207 - JAGUAR (PROXIMITY)

XJ 2013

### PROGRAM IMMOBILISER

#### VEHICLE SELECTION

- + AUDI
- + CHRYSLER
- + JAGUAR
- + GMUSA
- + HONDA
- + HYUNDAI

#### PRESS START / STOP BUTTON

ENSURE THAT THE PROXIMITY KEYS  
ARE PROGRAMMED BEFORE  
PROGRAMMING THE IMMOBILISER

PRESS ENTER KEY

#### DIAGNOSTIC MENU

##### PROGRAM IMMOBILISER

IMMOBILISER DATA

#### VEHICLE SELECTION

- + IMMOBILISER
- + REMOTE FUNCTIONS
- + PROXIMITY

#### ECU IDENTIFICATION

JLR IMMOBILISER

PRESS ENTER KEY

#### PROGRAM IMMOBILISER

##### STORED IMMOBILISER DATA

VIN: SAJAC1625BNV16842

1: 5DE01F33	2: 3ED81F33
3: 00000000	4: 00000000
5: 00000000	6: 00000000
7: 00000000	8: 00000000

DO YOU WANT TO WRITE THE  
THE IMMOBILISER DATA?



#### VEHICLE SELECTION

- + XJ (356) 10 >11
- + XJ (351) 11 >
- + XK (X150) 06 >
- + XF (X250)

PRESS ENTER KEY

#### DIAGNOSTIC MENU

ECU IDENTIFICATION

SPECIAL FUNCTIONS

#### VEHICLE SELECTION

- + KEYS
- + IMMOBILISER

#### DIAGNOSTIC MENU

PROGRAM IMMOBILISER

IMMOBILISER DATA

#### PROGRAM KEYS

PROCEDURE COMPLETE  
CHECK IMMOBILISER  
FUNCTIONALITY

PRESS ENTER KEY

#### VEHICLE IMMOBILISER DATA

VIN: SAJAC1625BNV16842

1: 5DE01F33	2: 3ED81F33
3: 00000000	4: 00000000
5: 00000000	6: 00000000
7: 00000000	8: 00000000

PRESS ENTER KEY

#### Optional Test

##### How to test if the immobiliser is programmed

To test if the immobiliser is programmed—remove the battery from the key fob and place near the SCU (key slot) or blanked off SCU found normally located on the dashboard underneath the steering wheel.

Press the Stop /Start button on the vehicle whilst holding the key fob against the SCU.

The ignition should come on at this point

A message will appear on the dashboard if the test was unsuccessful

'Smart key not found'

#### NOTE:

THIS SCREEN SHOWS THE IMMOBILISER DATA STORED IN THE VEHICLE. IN THIS EXAMPLE TWO TRANSPONDERS ARE ASSIGNED TO THE VEHICLE WITH 6 REMAINING SLOTS



## KEY PROGRAMMING SLAVE KEYS

**Note:**

- a. Clear ALL Fault codes before programming.
- b. Master keys can only be programmed using the 2 PATS keys (A and B) the WDS or the AD PROGRAMMING system.
- c. 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.

**NOTE :** If programming is unsuccessful, the PATS LED will flash when the key is inserted.

## 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.

## JLR Proximity Keys Variants

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There are four types of JLR keys available

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## Jaguar Smart Key

- XK 2006 Onwards
- XJ 2010 to 2011
- XF 2008 to 2012
- Vehicles have Starter Control Unit (SCU)



## Jaguar Smart Key

- Smart Key can be used as Proximity key or as slot key
- Un-programmed keys will not be held in SCU
- Programmed key is identified by marks on key
- Only Remote/Proximity function can be reprogrammed to a different vehicle
- Used keys cannot be reprogrammed via SCU
- 2 keys are required to program
- Can be programmed from lost key situation

A used key  
Will have  
grip marks  
made by  
the SCU.



## JLR Proximity Keys

- Land Rover Discovery 4 2009 to 2012
- Range Rover Vogue 2010 to 2011
- Range Rover Sport 2010 to 2011



- 
- Land Rover Discovery 4 2012 Onwards
  - Range Rover Vogue 2012 Onwards
  - Range Rover Sport 2012 Onwards
  - Range Rover Evoque 2011 Onwards



- 
- Jaguar XJ (X351) 2011 Onwards



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## JLR Proximity Keys

- Can be programmed from lost key situation
- Can be reprogrammed to a different vehicle
- Additional keys can interfere with key being programmed
- Only have the key to be programmed inside vehicle
- Back up transponder fitted in-case of flat remote battery



## Testing Back up Function

- For all Proximity keys
- Remove battery from key
- All other keys away from vehicle
- Press start button in vehicle
- Message displayed "smart key not found" or "smart key missing"
- On Jaguar XF, hold key against blank SCU
- On Jaguar XJ, hold key against panel under foglamp switch
- On Land Rover/Range Rover, hold key on underside of steering column, 3 embossed lines on housing

## Advanced Diagnostics Key Programming Features

### Jaguar Smart Key (Remotes) Dongle L

- Remotes programmed - Displays remotes programmed to the vehicle and remotes present
- Program Remotes - Programs existing and new keys with remote and proximity function
  - Any keys not present will be deleted, but can be reprogrammed if required
- Remotes must be programmed before immobiliser



## Advanced Diagnostics Key Programming Features

### Jaguar Smart Key (Immobiliser) Dongle A

- Keys programmed - Displays transponder keys programmed to vehicle
- Program Keys - Reprograms existing keys and programs new keys
- Any keys not present will be erased, and cannot be reprogrammed
- Programs keys via SCU slot
- Minimum of 2 keys are required to carry out procedure

## Advanced Diagnostics Key Programming Features

### JLR Proximity Keys (Keys) Dongle L

- Add Key - Programs additional keys
- Keys Programmed - Displays Keys programmed to the vehicle and Keys present
- Clear Keys - Erases all keys from vehicle, keys can be reprogrammed if required
- Virginise Keys - Prepares a previously programmed key for reprogramming, feature only required if prompted when adding a key
- Remotes must be programmed before immobiliser



## Advanced Diagnostics Key Programming Features

### JLR Proximity Keys (Immobiliser) Dongle A

- Transponder Data - Displays the transponder data stored on the tester, this data is collected whilst programming keys
- Program Transponder - Writes stored data from tester to vehicle, this programs the back up feature

## Advanced Diagnostics Key Programming Features

### Jaguar XF 2013 Onwards Dongle L

- Remote and Immobiliser functions both Programmed at same time

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# REMOTE PROGRAMMING



## XJ8 Remote Control Programming

### Procedure

1. Unlock the Boot with key.
2. Turn Ignition on.
3. Warning light on dash comes on.
4. When they go out, lift arm rest, inside is a valet button, Press 5 times within 5 secs of lights on dash going out, Horn & Lights Flash.
5. Press any button on remote, remote programmed.

## Jaguar X300

### Procedure

1. Open the boot lid and drivers door, and switch on the ignition. Press central locking switch (in the centre console) 5 times. The siren will chirp to indicate it has entered learning mode.
2. Press the lock button of the remote, the system will chirp to confirm it has received the remote.
3. To program further remotes, press the central locking switch once. The system will chirp twice for remote number two, then press the lock button of the remote as above.
4. Wait for 30 seconds for the system to close and chirp twice.

## X-Type Remote Control Programming

### Procedure

1. Get in car
2. Close all doors
3. Insert key in ign
4. Turn on then off 4 times
5. Remove key vehicle will chime
6. Press any button on each remote
7. Open door.

## XJ/XK Remote Control Programming

### Procedure

1. Get in car
2. Leave drivers door open
3. Hold headlight lever in high position
4. Insert key and turn on/off 4 or 5 times  
NOTE : Either hazards will flash or car will chime.
5. Press any button on each remote

## S-Type Remote Control Programming (Procedure 1)

1. Ensure Drivers door & boot is open.
2. Hold high beam switch towards you.
3. Insert key in ignition and turn to accessory position.
4. Release high beam switch.
5. Pull & release high beam switch 4 times slowly.
6. Listen for chime.
6. Press lock button on each remote to be programmed.
7. Listen for chime.
8. Ignition off.
9. Close & open door.
10. Test remotes.

## S-Type Remote Control Programming (Procedure 2)

1. Turn ignition from OFF to ON 4 times.
2. A chime will be heard.
3. Press the button on each remote that requires programming.
4. Switch ignition OFF.
5. Test each remote control.

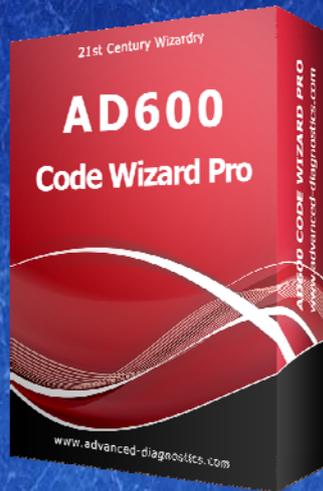
## S-Type Remote Control Programming (Procedure 3) (USA MODEL PROCEDURE)

1. Open the vehicle trunk.
2. Turn ignition only to 2nd notch/accessory (do not start)
3. Toggle your valet switch 4-5 times till you hear a chime (this indicates the vehicle is now in learn mode)
4. Hold your remote button till lights flash and car will chirp once more to let you know remote has been set.
5. Repeat Step 4 for all remotes.



## 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.