ADVANCED DIAGNOSTICS

Unlocking Technology

LDV

(V e r s i o n 2 . 5)

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

AD™

COPYRIGHT 2013

CONTENTS

		PAGE
A	APPLICATIONS	3
B	DIAGNOSTIC SOCKETS/OBD PORTS	4
C	SPECIAL FUNCTIONS	
	PATS 3 (SCP)	5 - 6
	MAXUS	7 - 9
	CUB	10
D	REMOTE PROGRAMMING	11
E	TIPS & HINTS	12

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/

LDV Software	
ADS108	LDV

B

LDV

CONVOY

CUB

MAXUS

PATS 3 (SCP)

KEY PROGRAMMING

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

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

+ LDV
+ LEXUS
+ MAZDA
+ MERCEDES
+ MITSUBISHI
+ NISSAN

DIAGNOSTIC MENU

CLEAR / ERASE PATS
KEYS PROGRAMMED
ADD KEY

PROGRAM KEYS

DISCONNECT TESTER
FROM VEHICLE

CYCLE KEYS TO PROGRAM

VEHICLE SELECTION

+ CONVOY
+ CUB
+ MAXUS

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.

VEHICLE SELECTION

DIESEL
TURBO DIESEL
LPG
+ DURA - TORQUE

DIAGNOSTIC MENU

CLEAR / ERASE PATS
KEYS PROGRAMMED
ADD KEY

> 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 ignition on for 20 seconds & insert both keys and turn ignition 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.

SWITCH IGNITION ON

PRESS ENTER KEY

MIN KEYS REQUIRED: 2
TIMED ACCESS
CLEAR TIME 10:00
KEYS PROGRAMMED: 2

PRESS ENTER KEY

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

FINISHED

C

PATS 3 (SCP)

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 funtion 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

FINISHED

C

MAXUS

KEY PROGRAMMING

> A MINIMUM OF 2 KEYS IS REQUIRED.

DIAGNOSTIC MENU

ECU IDENTIFICATION

> SPECIAL FUNCTIONS

PRESS ENTER KEY

PROGRAM KEYS

WARNING

ALL KEYS WILL

BE CLEARED

CONTINUE

OK=CLEAR   CLEAR=BACK

VEHICLE SELECTION

+ LDV

+ LEXUS

+ MAZDA

+ MERCEDES

+ MITSUBISHI

+ NISSAN

DIAGNOSTIC MENU

PROGRAM KEYS

ECM ICU DATA

KEY DATA

PROGRAM KEYS

PLEASE ENTER NO.

TO PROGRAM

MAX 5 KEYS

1	2	3	4	5
6	7	8	9	0

VEHICLE SELECTION

+ CONVOY

+ CUB

+ MAXUS

KEY DATA

TRANS SERIAL NO

CF5691

TRANS ENCRYPTION KEY

E47D7600

MEMORY LOCATION CA

PRESS ENTER KEY

PROGRAM KEYS

X KEYS TO PROGRAM

IS THIS CORRECT

OK=YES   NO=BACK

VEHICLE SELECTION

IMMOBILISER

REMOTES

DIAGNOSTIC MENU

PROGRAM KEYS

ECM ICU DATA

KEY DATA

AUTHORISING KEY 1

SWITCH IGNITION ON

PRESS ENTER KEY

ECM ICU DATA

ICU MODE:

LEARNT MODE

ECM MODE:

LEARNT MODE

VIN CODE: FFFF

PRESS ENTER KEY

PROGRAM KEYS

KEY 1 AUTHORISED

TRANS SERIAL NO

CF5691

TRANS ENCRYPTION KEY

FAODFEF8

PRESS ENTER KEY

ECU IDENTIFICATION

LDV MAXUS ICU

PRESS ENTER KEY

DIAGNOSTIC MENU

PROGRAM KEYS

ECM ICU DATA

KEY DATA

PROGRAM KEYS

PROGRAM

NEXT KEY

YES=ENTER   BACK=NO

SPECIAL FUNCTIONS

C

MAXUS

KEY PROGRAMMING

PROGRAM KEYS
INSERT KEY 2
IGNITION ON
PRESS ENTER KEY

AUTHORISING KEY 1

PROGRAM KEYS
KEY 2 AUTHORISED
TRANS SERIAL NO
CF5691
TRANS ENCRYPTION KEY
FAODFEF8
PRESS ENTER KEY

PROGRAM KEYS
PROGRAM
NEXT KEY
YES=ENTER   BACK=NO

PROGRAM KEYS
INSERT KEY 3
IGNITION ON
PRESS ENTER KEY

AUTHORISING KEY 3

PROGRAM KEYS
KEY 2 AUTHORISED
TRANS SERIAL NO
CF5691
TRANS ENCRYPTION KEY
FAODFEF8
PRESS ENTER KEY

REPEAT UNTIL ALL KEYS HAVE BEEN PROGRAMMED

PROGRAM KEYS
IGNITION OFF
WAIT 10 SECONDS
IGNITION ON
WAIT 2 SECONDS
REPEAT 3 TIMES
PRESS ENTER KEY

FINISHED

REMOTE PROGRAMMING

The LDV MAXUS remote system requires 1 working remote control.

If no working remote controls exist please refer to TIPS & HINTS section for programming

VEHICLE SELECTION
+ LDV
+ LEXUS
+ MAZDA
+ MERCEDES
+ MITSUBISHI
+ NISSAN

VEHICLE SELECTION
+ CONVOY
+ CUB
+ MAXUS

VEHICLE SELECTION
IMMOBILISER
REMOTES

SWITCH IGNITION ON
PRESS ENTER KEY

ECU IDENTIFICATION
LDV PART NUMBER
58700010
PRESS ENTER KEY

COPYRIGHT 2013

C

MAXUS

DIAGNOSTIC MENU

ECU IDENTIFICATION

> **SPECIAL FUNCTIONS**

PRESS ENTER KEY

DIAGNOSTIC MENU

PROGRAM REMOTES

PROGRAM REMOTES

WARNING

ALL REMOTES WILL

BE ERASED

CONTINUE

OK=CLEAR   CLEAR=BACK

PROGRAM REMOTES

AT LEAST 1 PROGRAMMED

REMOTE MUST BE

PRESENT

YES=ENTER   NO=BACK

PROGRAM REMOTES

PRESS ANY BUTTON ON

EXISTING REMOTES TO

RE-INITIALISE

PRESS ENTER KEY

> PRESS ANY BUTTON ON ALL EXISTING REMOTES. THE HORN WILL SOUND FOR EACH REMOTE PROGRAMMED

PROGRAM REMOTES

REPEAT FOLLOWING

PROCEDURE FOR ALL

NEW REMOTES

PRESS ENTER KEY

PROGRAM REMOTES

PRESS BOTH BUTTONS

ON NEW REMOTE TO

INITIALISE

HAZARDS SHOULD FLASH

THEN PRESS 1 BUTTON

PRESS ENTER KEY

> PRESS BOTH BUTTONS ON ALL EACH NEW REMOTE SIMULTANEOUSLY. THE HORN WILL SOUND FOR EACH REMOTE PROGRAMMED

PROGRAM REMOTES

PROCEDURE COMPLETE

PRESS ENTER KEY

FINISHED

CUB

PROGRAM KEYS

VEHICLE SELECTION
+ LDV
+ LEXUS
+ MAZDA
+ MERCEDES
+ MITSUBISHI
+ NISSAN

DIAGNOSTIC MENU
PROGRAM KEYS
PRESS ENTER KEY

VEHICLE SELECTION
+ CONVOY
+ CUB
+ MAXUS

PROGRAMMING KEYS
. . . . PLEASE WAIT

SWITCH IGNITION ON
PRESS ENTER KEY

KEYS PROGRAMMED
PROCEDURE COMPLETE
CYCLE IN ADDITIONAL
KEYS NOW IF REQUIRED
DISCONNECT TESTER
FROM VEHICLE
PRESS ENTER KEY

NOTE : THE IGNITION MUST ALREADY BE ON AT THIS STAGE, AS THE CONNECTION TO NATS 2 SYSTEMS CAN ONLY BE MADE WHEN IGNITION IS ON.

NOTE : FOR ALL ADDITIONAL KEYS CYCLE IN EACH KEY NOW.

WHEN YOU TRY TO START THE VEHICLE THE SYSTEM THEN CLOSES AND NO MORE KEYS CAN BE ADDED.

FINISHED

ECU IDENTIFICATION
NATS 2 DIESEL
PRESS ENTER KEY

DIAGNOSTIC MENU
ECU IDENTIFICATION
FAULT CODES
SPECIAL FUNCTIONS
PRESS ENTER KEY

REMOTE PROGRAMMING

MAXUS

On the LDV Maxus, if ALL remote controls are lost then it is not possible to program remote controls in the normal way.

A special procedure is require as follows :-

Procedure—Programming a new remote control

1. **Make sure ignition is OFF**.
2. Select Remote Functions from menu, and communicate with vehicle.
3. Select PROGRAM REMOTES. Do not turn ignition ON when asked.
4. Follow the procedure until it asks you to Program remotes.
5. Switch Ignition to position 2 and back to OFF position.
6. Hold both buttons of remote control down for 3.5 seconds.
7. The hazard lights should flash once.
8. Wait for 2 seconds.
9. Press one of the buttons on the remote control and the horn should sound.

Now normal procedure for adding other remote controls can be followed.

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.

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.