

ADVANCED DIAGNOSTICS

Unlocking Technology

General Motors USA

(Version 2.3)



World Leaders In Automotive Key Programming Equipment

www.advanced-diagnostics.com





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A

APPLICATIONS Have Moved to IQ - Online

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/>

WWW.ADVANCED-DIAGNOSTICS.CO.UK

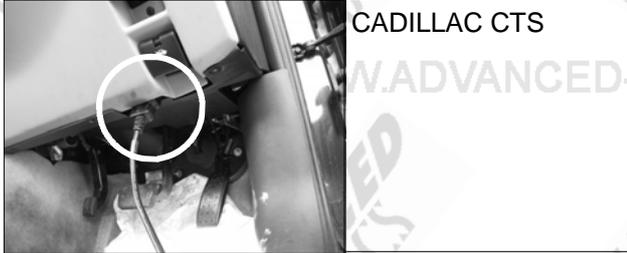
GM USA Software

ADS138	GM USA (NON CAN)
ADS138	GM USA (CAN)
ADS187	GM 2012



DIAGNOSTIC SOCKET LOCATIONS

Cadillac



Pontiac

WWW.ADUSA.US

Hummer



GMC

WWW.ADUSA.US

DIAGNOSTIC SOCKET LOCATIONS

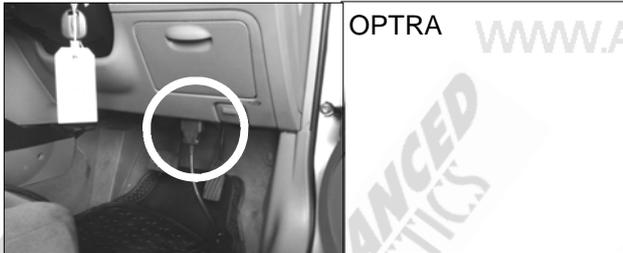


B

Saturn

WWW.ADVANCED-DIAGNOSTICS.CO.UK

Chevrolet



WWW.ADVANCED-DIAGNOSTICS.CO.UK

WWW.ADUSA.US



GENERAL OPERATION

INTRODUCTION

GM Aftermarket Keys—Important Info

Use of genuine OE keys is recommended as there are particular issues with aftermarket keys that can cause problems.

Aftermarket transponder keys are supplied with 'Zero' values in the logic, which when being programmed into a vehicle will cause a fault to be registered in the power control module. To avoid these issues check the part numbers that aftermarket manufacturers use.

Strattec: Clone type will have a RW in the part number
Jet: Clone type will have a N in the part number
Silca/Ilco: Clone type will have a number 5 on the end of the part number

Do not use these keys unless they are pre-coded.

WWW.ADUSA.US

WWW.ADVANCED-DIAGNOSTICS.CO.UK

WWW.ADUSA.US



SPECIAL FUNCTIONS

GM USA (Non CAN)

KEY PROGRAMMING

VEHICLE SELECTION

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

VEHICLE SELECTION

- + 2005
- + 2006
- + 2007
- + 2008

WHEN ASKED TO SWITCH IGNITION OFF, GO TO THE ACCESSORY POSITION AND DO NOT REMOVE THE KEY.

VEHICLE SELECTION

- + IMMOBILISER
- + REMOTES

SWITCH IGNITION ON

SWITCH IGNITION OFF

PRESS ENTER KEY

PRESS ENTER KEY

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

THE VEHICLE VIN & SOFTWARE VERSION OF THE ECU IS DISPLAYED.

PLEASE WAIT
12 MINUTES

Time Elapsed 00:02

VEHICLE SELECTION

- + BY VEHICLE
- + BY SYSTEM

ECU IDENTIFICATION

1G4HP52KY3U203733
S/W: 12594018

PLEASE WAIT

12 MINUTES

Time Elapsed 00:02

Cycle New Key
then Start Engine

PRESS ENTER KEY

VEHICLE SELECTION

- + BUICK
- + CADILLAC
- + CHEVROLET
- + GMC
- + PONTIAC
- + SATURN

DIAGNOSTIC MENU

ECU IDENTIFICATION
FAULT CODES
> SPECIAL FUNCTIONS

PRESS ENTER KEY

ANY FURTHER KEYS CAN BE CYCLED IN WITHIN 10 SECONDS OF PROGRAMMING THE MASTER KEY.

VEHICLE SELECTION

- + ALLURE
- + ENCLAVE
- + LACROSS
- + LUCERNE
- + RENDEZVOUS
- + TERRAZA

DIAGNOSTIC MENU

> PROGRAM KEYS

PRESS ENTER KEY

SPECIAL FUNCTIONS



GM USA (Non CAN)

REMOTE PROGRAMMING

VEHICLE SELECTION

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

VEHICLE SELECTION

02 - > 06

DIAGNOSTIC MENU

> **PROGRAM REMOTE**

PRESS ENTER KEY

VEHICLE SELECTION

- + IMMOBILISER
- + **REMOTES**

SWITCH IGNITION ON

PRESS ENTER KEY

PLEASE HOLD
LOCK AND UNLOCK BUTTONS
FOR 30 SECONDS

Time Elapsed 00:05

VEHICLE SELECTION

- + **BY VEHICLE**
- + BY SYSTEM

PLEASE WAIT
TRYING TO COMMUNICATE

DID THE DOORS
LOCK AND UNLOCK

NO=BACK YES=ENTER

THE FOLLOWING PROCEDURE SHOWS 'BY VEHICLE' SELECTION. IF 'BY SYSTEM' IS CHOSEN THEN THE SYSTEM TYPE WHERE KNOWN IS SHOWN IN THE APPLICATION PAGES. ALSO REFER TO TIPS AND HINTS PAGES FOR REMOTE PROGRAMMING

THE VEHICLE ECU INFO IS DISPLAYED.

DO YOU WANT TO
PROGRAM MORE REMOTES

NO=BACK YES=ENTER

VEHICLE SELECTION

- + **BUICK**
- + CADILLAC
- + CHEVROLET
- + GMC
- + PONTIAC
- + SATURN

ECU IDENTIFICATION

8 DIGIT DM: 25785142
PROM ID: 1-16

PRESS ENTER KEY

SELECTING

YES - REPEATS PROCEDURE
NO - ENDS PROCEDURE

VEHICLE SELECTION

- + ALLURE
- + **ENCLAVE**
- + LACROSS
- + LUCERNE
- + RENDEZVOUS
- + TERRAZA

DIAGNOSTIC MENU

ECU IDENTIFICATION
FAULT CODES
> **SPECIAL FUNCTIONS**

PRESS ENTER KEY

PROGRAM REMOTES

PROCEDURE COMPLETE

PRESS ENTER KEY



SPECIAL FUNCTIONS

GM USA (CAN)

KEY PROGRAMMING

VEHICLE SELECTION

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

VEHICLE SELECTION

- + 2005
- + 2006
- + 2007
- + 2008

SELECTING MODULE INFORMATION WILL DISPLAY THE HARDWARE & SOFTWARE VERSION NUMBERS.

VEHICLE SELECTION

- + IMMOBILISER
- + REMOTES

SWITCH IGNITION ON

PRESS ENTER KEY

PROGRAM KEYS

PLEASE WAIT

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

THE ECU IDENTIFICATION IS DISPLAYED.

PROGRAM KEYS

PLEASE WAIT
12 MINUTES

TIME ELAPSED 00

VEHICLE SELECTION

- + BY VEHICLE
- + BY SYSTEM

ECU IDENTIFICATION

TYPE X

PRESS ENTER KEY

THE TESTER WILL TAKE 12 MINUTES TO CLEAR THE SYSTEM AND PROGRAM KEYS.

VEHICLE SELECTION

- + BUICK
- + CADILLAC
- + CHEVROLET
- + GMC
- + PONTIAC
- + SATURN

DIAGNOSTIC MENU

- ECU IDENTIFICATION
- FAULT CODES
- > SPECIAL FUNCTIONS

PRESS ENTER KEY

PROGRAM KEYS

PROCEDURE COMPLETE
DISCONNECT TESTER
CYCLE KEYS

VEHICLE SELECTION

- + ALLURE
- + ENCLAVE
- + LACROSS
- + LUCERNE
- + RENDEZVOUS
- + TERRAZA

DIAGNOSTIC MENU

- MODULE INFORMATION
- > PROGRAM KEYS

PRESS ENTER KEY

SPECIAL FUNCTIONS



GM USA (CAN)

REMOTE PROGRAMMING

VEHICLE SELECTION

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

VEHICLE SELECTION

01 -> 03

DIAGNOSTIC MENU

> PROGRAM REMOTE

PRESS ENTER KEY

VEHICLE SELECTION

- + IMMOBILISER
- + REMOTES**

SWITCH IGNITION ON

PRESS ENTER KEY

PLEASE HOLD
LOCK AND UNLOCK BUTTONS
FOR 30 SECONDS

Time Elapsed 00:05

VEHICLE SELECTION

- + BY VEHICLE**
- + BY SYSTEM

PLEASE WAIT
TRYING TO COMMUNICATE

DID THE DOORS
LOCK AND UNLOCK

NO=BACK YES=ENTER

THE FOLLOWING PROCEDURE SHOWS 'BY VEHICLE' SELECTION. IF 'BY SYSTEM' IS CHOSEN THEN THE SYSTEM TYPE WHERE KNOWN IS SHOWN IN THE APPLICATION PAGES. ALSO REFER TO TIPS AND HINTS PAGES FOR REMOTE PROGRAMMING

THE VEHICLE ECU INFO IS DISPLAYED.

DO YOU WANT TO
PROGRAM MORE REMOTES

NO=BACK YES=ENTER

VEHICLE SELECTION

- + BUICK**
- + CADILLAC
- + CHEVROLET
- + GMC
- + ISUZU
- + OLDSMOBILE

ECU IDENTIFICATION

8 DIGIT DM: 25785142
PROM ID: 1-16

PRESS ENTER KEY

SELECTING

YES - REPEATS PROCEDURE
NO - ENDS PROCEDURE

VEHICLE SELECTION

- + ALERO
- + AURORA**

DIAGNOSTIC MENU

ECU IDENTIFICATION
FAULT CODES
> SPECIAL FUNCTIONS

PRESS ENTER KEY

PROGRAM REMOTES

PROCEDURE COMPLETE

PRESS ENTER KEY

REMOTE PROGRAMMING



GM USA (NON CAN)

REMOTE PROGRAMMING

Please note the following points when programming remotes:

Type 4

All remotes must be erased first.

Type 6

- a. Ignition OFF.
- b. Hold each remote for 15sec.
- c. Program all at the same time.
- d. Cycle ignition when complete.
- e. All previous remotes have been erased.

**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.