

ADC2600 Cable Kit Mercedes® AKL



User Guide

Original Instructions

Vers. 1.0



dormakaba Group

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The information has been provided to the users with the necessary indications to use automotive key programming devices independently, economically and safely.

**IMPORTANT NOTE: in compliance with current regulations relating to industrial property, we hereby state that the trade-marks or trade names mentioned in our documentation are the exclusive property of authorized manufacturers of keys and users. Said trade-marks or trade names are nominated only for the purposes of information so that any make of the keys can be rapidly identified.*

INTRODUCTION

The ADC2600* All Keys Lost Cable Kit is designed to allow key programming for Mercedes® models by connecting directly to the Electronic Ignition System (EIS) of the vehicle in the event of an All Keys Lost situation.

To perform this procedure it is necessary to remove the EIS from the vehicle, after which the cable simply connects to the EIS and key programming is performed in conjunction with the ADC260** Smart Programmer

The ADC2600* Kit consists of the following items:

ADA2600 – EIS Removal Tool (Fig.1)

ADC2601 – EIS Connection Cable (Fig.2)

ADC2602 – EIS Connection Cable (Fig.3)

ADC2603 – EIS Connection Cable (Fig.4)

ADC2604 – EIS Connection Cable (Fig.5)

ADC2609 – Power Cable (12v Battery Supply) (Fig.6)

Other requirements:

- Smart Pro
- ADC260 – Mercedes® Smart Programmer
- Internet Connection
- Slot Key - HU106S23

Connection locations specific to each vehicle model can be found on

<https://www.mykeyspro.com/>

under the Guided Process section.

This guide gives the general steps required whilst using the ADC2600 cable kit.

**ADC260 is not included and needs to be purchased separately

*ADC2600 kit is comprised of individual items which can be purchased separately.

KIT COMPONENTS



FIG.1
ADA2600
EIS collar removal tool



FIG.2
ADC2601
EIS Connection Cable



FIG.3
ADC2602
EIS Connection Cable



FIG.4
ADC2603
EIS Connection Cable



FIG.5

ADC2604
EIS connection cable



FIG.6

ADC2609
Power Adapter - Connects to 12V Battery
& EIS Cables

POSITIONING COMPONENTS

ADC2601

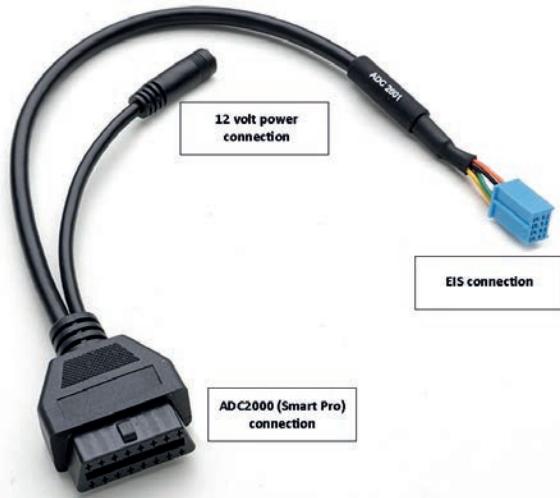


FIG.7

ADC2601 – EIS Connection Cable coverage:

- 169 (A Class 2004 - 2012)
- 209 (CLK 2003 - 2010)
- 211 (E Class 2006 - 2009)
- 245 (B Class 2005 – 2011)



FIG.8

ADC2602



FIG.9

ADC2602 – EIS Connection Cable coverage:

- 172 (SLK 2011 - 2015)
- 204 (C Class 2007 - 2014)
- 207 (E Class 2009 - 2013)
- 212 (E Class 2010 – 2014)



FIG.10

ADC2603

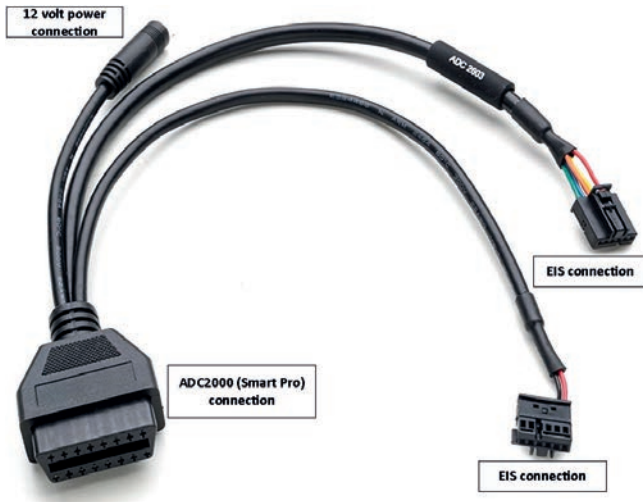


FIG.11

ADC2603 – EIS Connection Cable coverage

- 164 (M Class 2005 - 2011)
- 221 (S Class 2005 - 2013)
- 216 (CL 2006 - 2013)
- 251 (R Class 2005 - 2013)



FIG.12

ADC2604



FIG.13

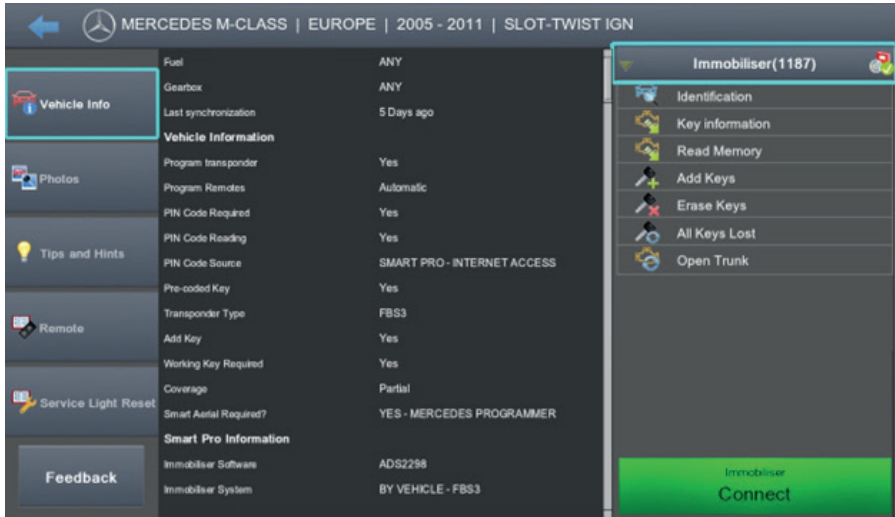
ADC2604 – EIS Connection Cable coverage

- 202 (C Class 1997 - 2001)
- 208 (CLK 1999 - 2003)
- 210 (E Class 1999 - 2002)



FIG.14

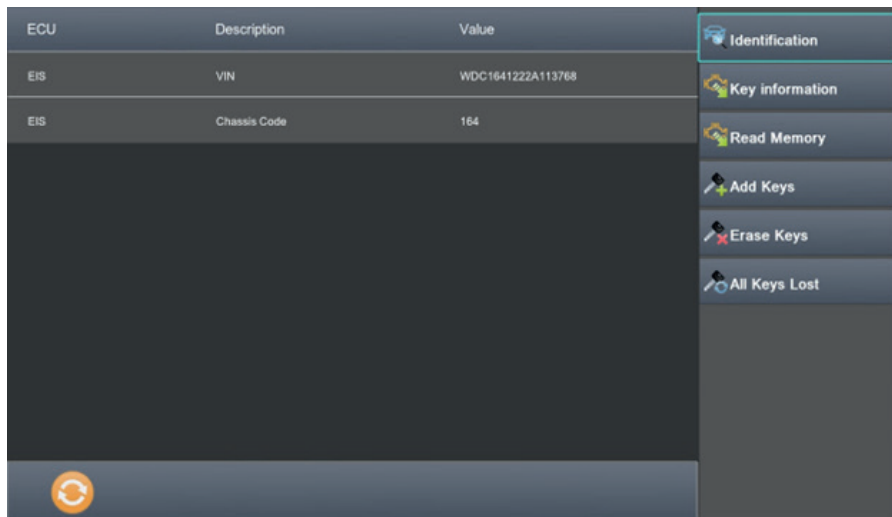
PROCEDURE



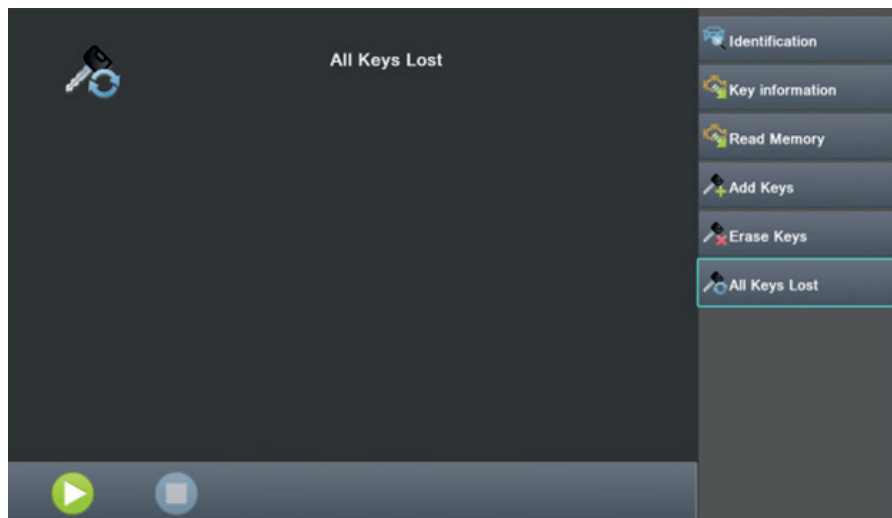
1. Vehicle selection – Select Immobiliser, then Connect



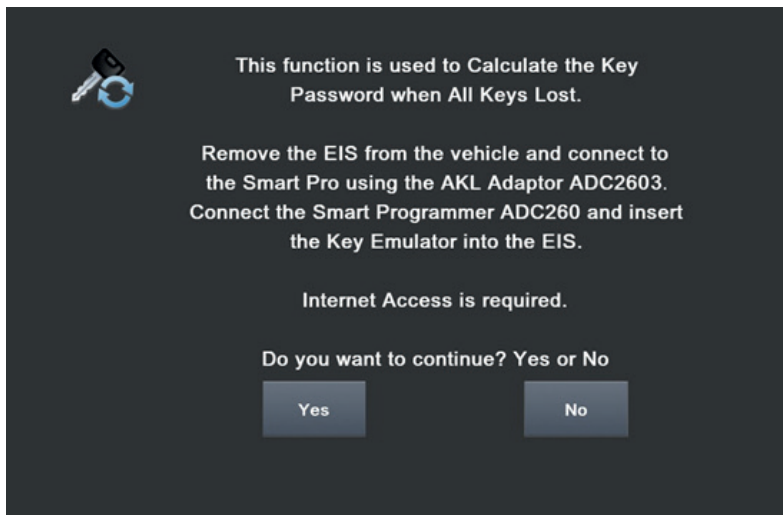
2. Connect to vehicle using ADC2000 or ADC2013 cable – Switch on ignition



3. Vehicle is identified



4. Select All Keys Lost



- Remove the EIS from the vehicle using ADA2600 (Fig.15) (some additional vehicle trim must be removed also).
 - Connect the cable specific to the EIS removed, the instruction screen will automatically reference the correct cable required based on the vehicle identification (Fig.16).
 - Connect 12v power supply ADC2609 to EIS cable & vehicle battery.
 - Connect the Mercedes® Smart Programmer ADC260 to the Smart Pro via USB.
 - Insert the key emulator of ADC260 in to EIS (Fig.17).
 - Ensure internet access is available



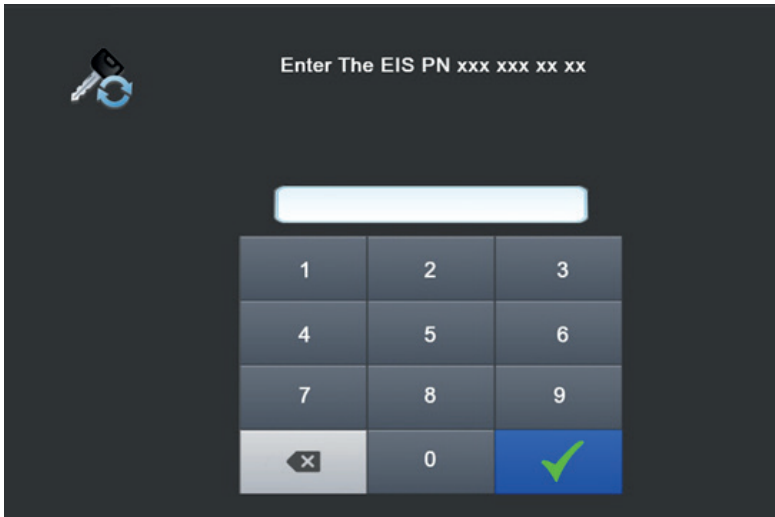
FIG.15



FIG.16



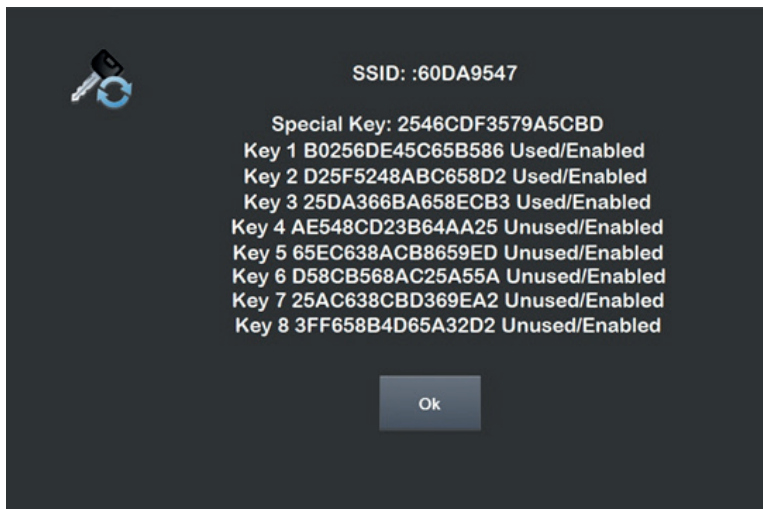
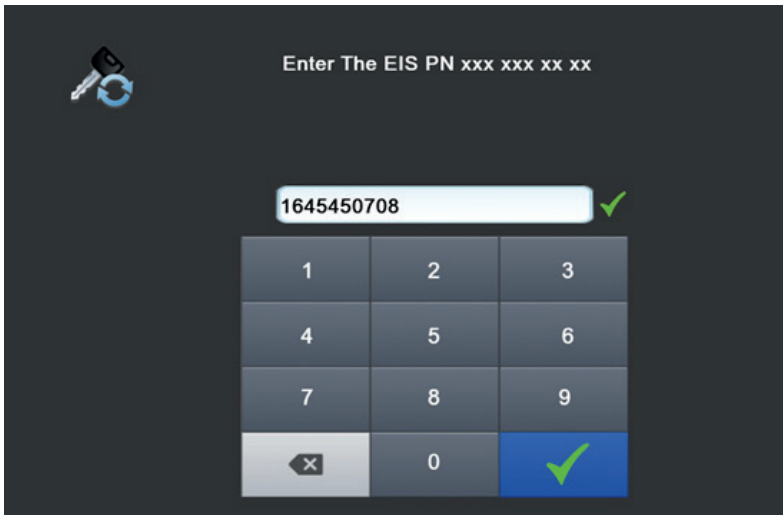
FIG.17



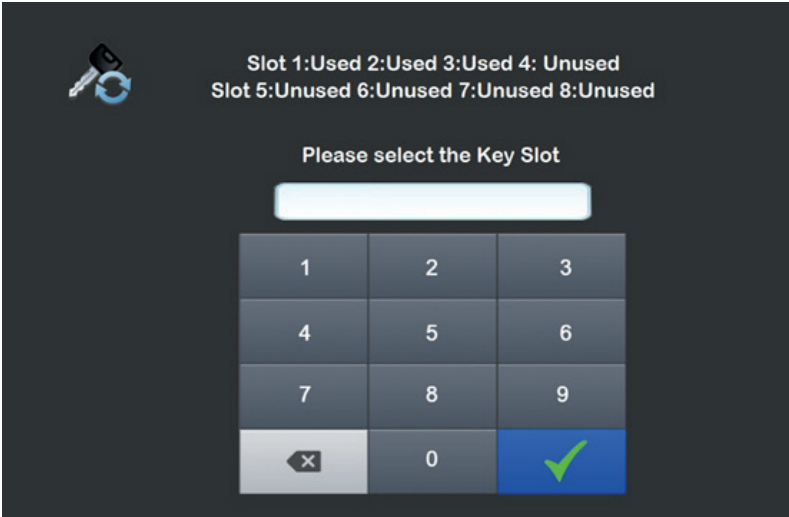
6. In some instances the EIS part number may not be automatically identified.
- If this occurs simply type in the EIS part number which can be found stamped on to the body of the EIS. (Fig.18)
 - If the EIS part number is identified automatically this stage is not required.



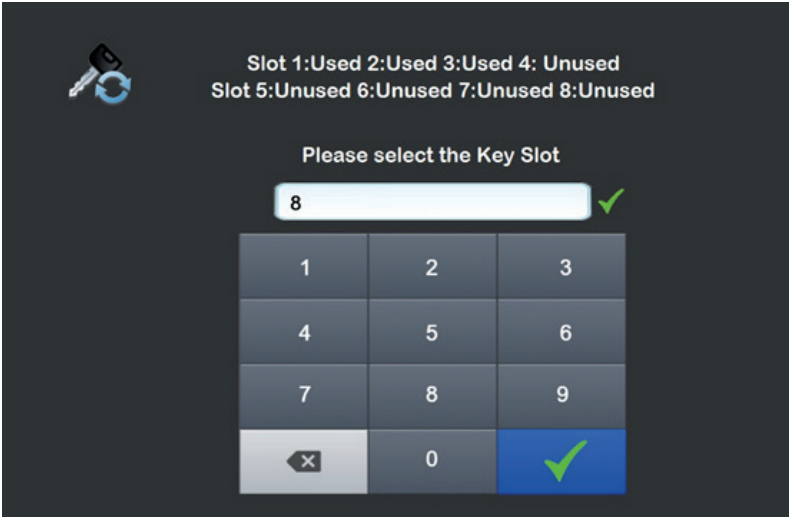
FIG.18

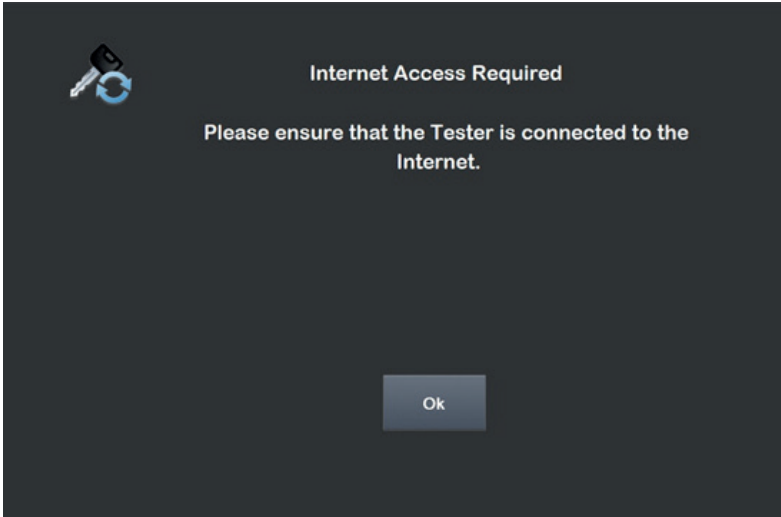


7. SSID & Key details are recovered

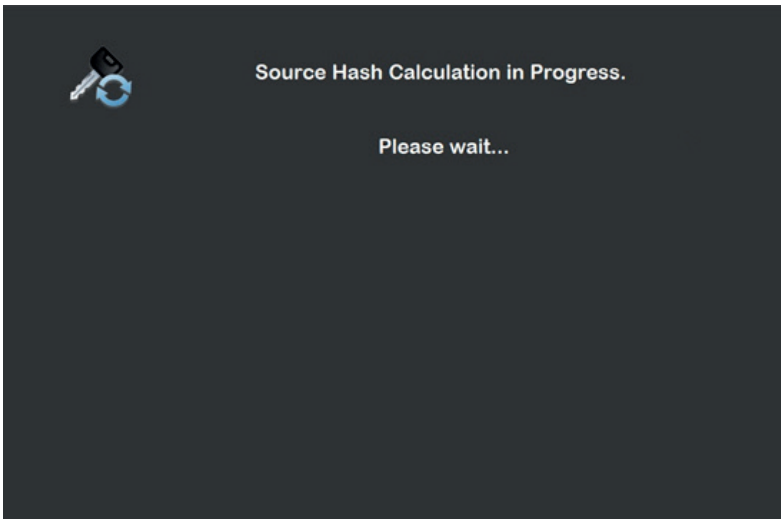


8. Select a Key Slot for new key to be programmed. In this example slot 8 has been chosen.

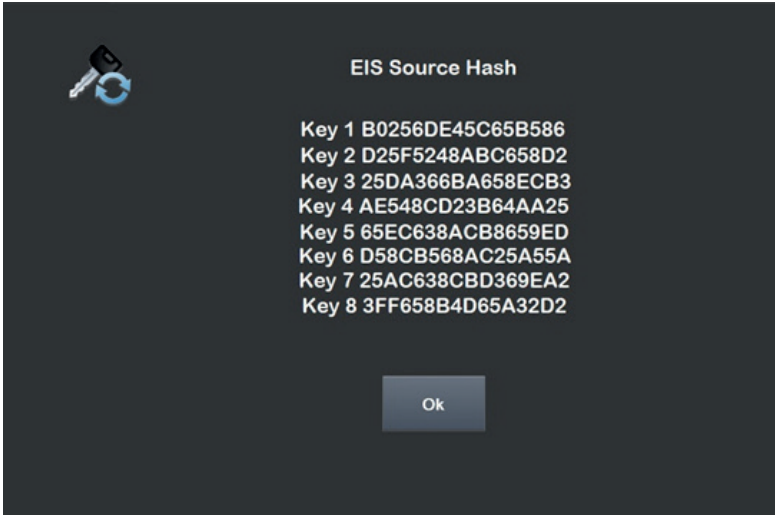




Ensure Smart Pro has connection to the internet.
If internet access is not available it is not possible to continue



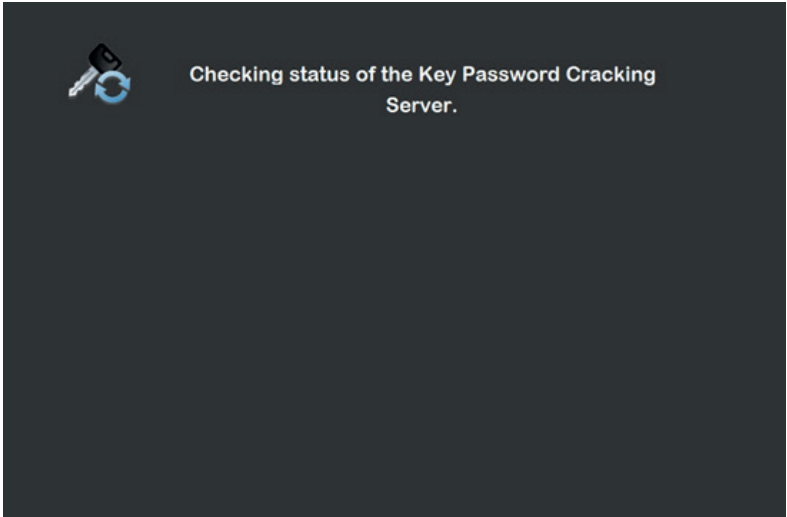
9. Calculation of Source Hash Begins



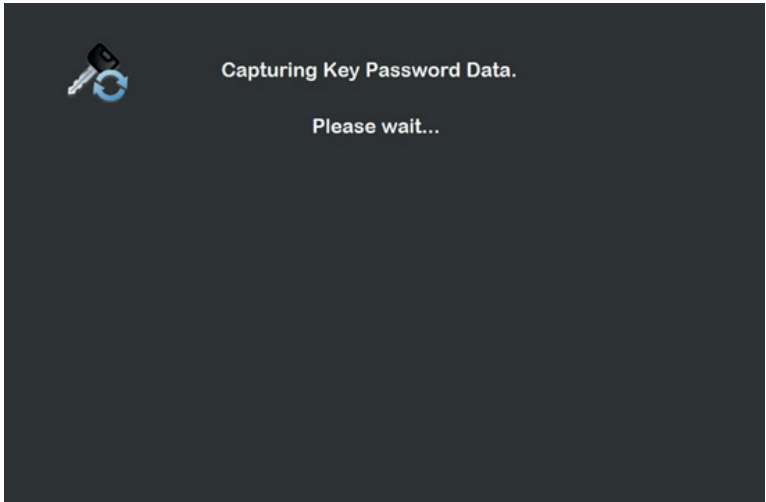
10. Source Hash recovered.

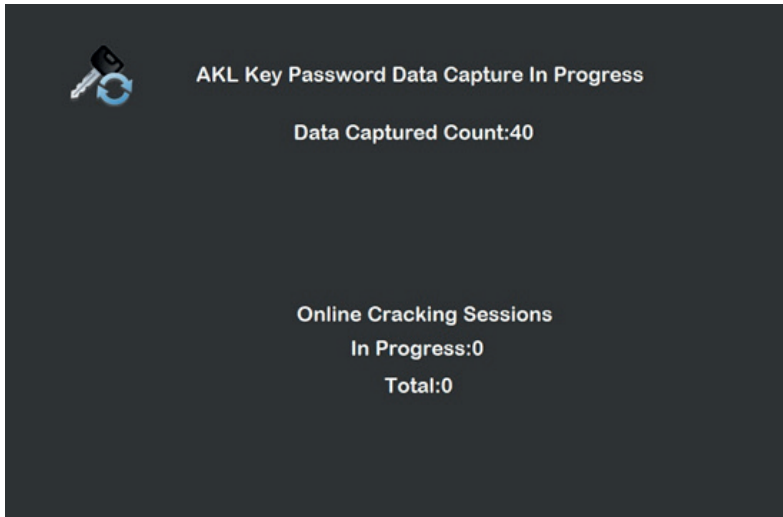


11. Normally key password is not available, however if the key password has been made available it is possible to enter the password at this point.

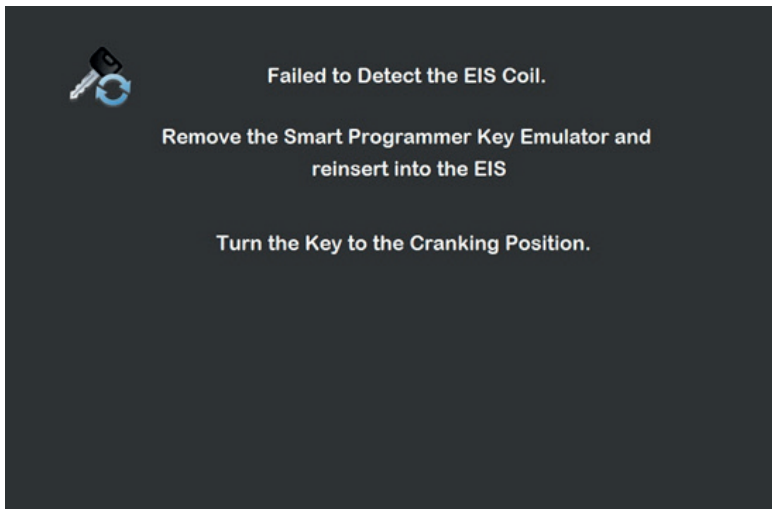


12. Key Password cracking begins



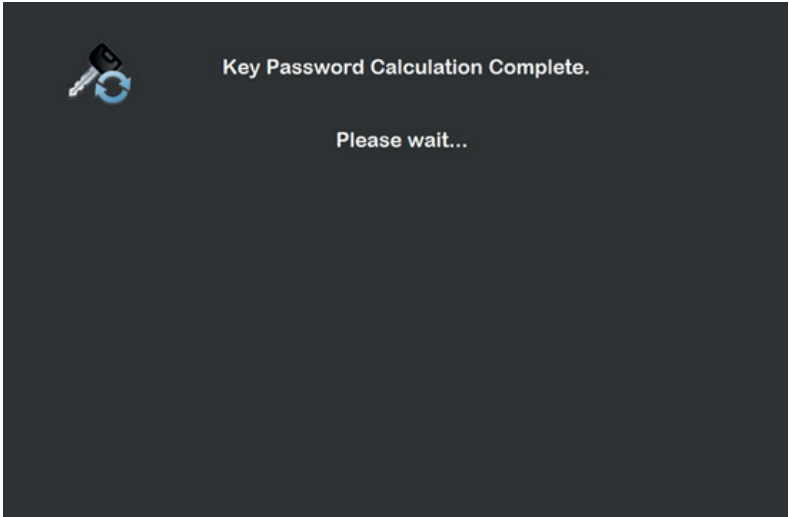


13. Calculation continues for several minutes

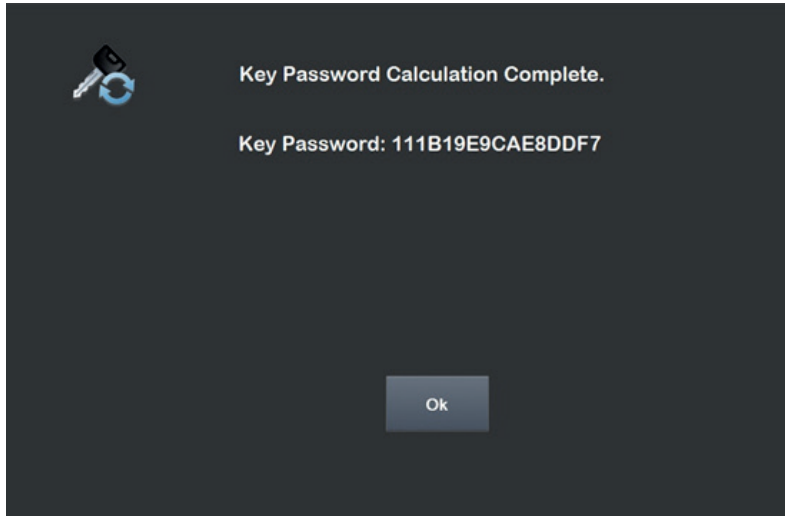


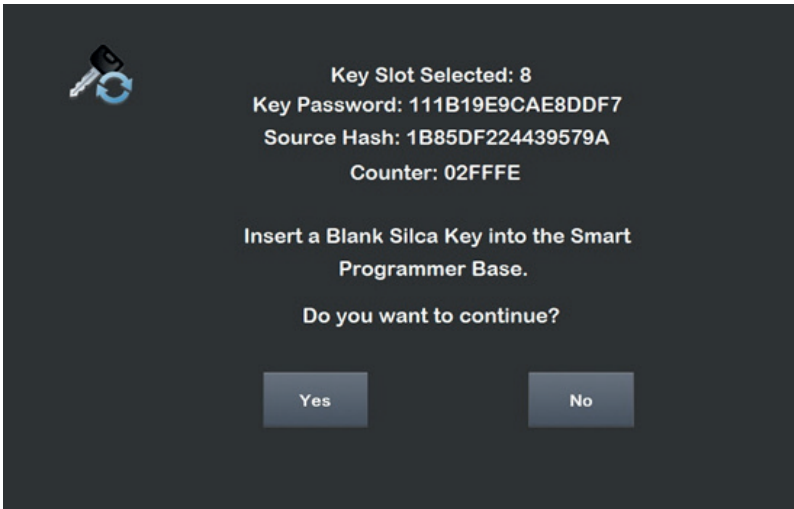
If the EIS Coil does not read the Emulator key it may be necessary to remove & reinsert the Emulator.

Turn and hold the Emulator with slight pressure to the cranking position if the failure continues.



14. Calculation complete and Key password recovered.





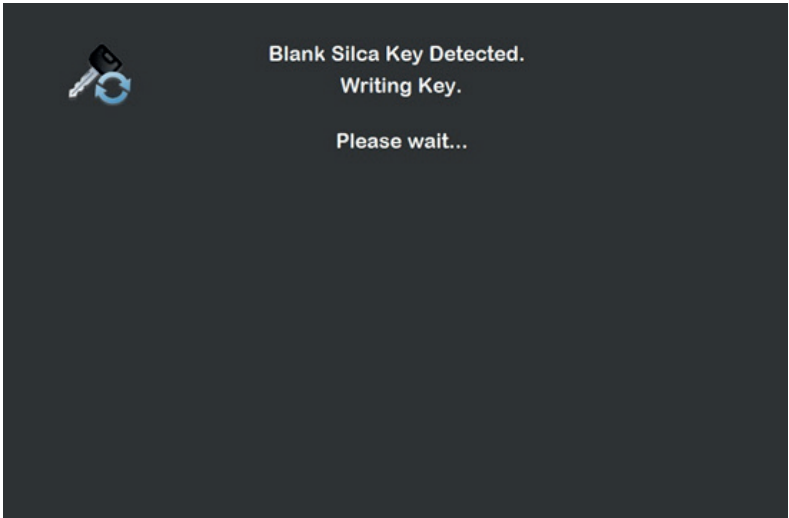
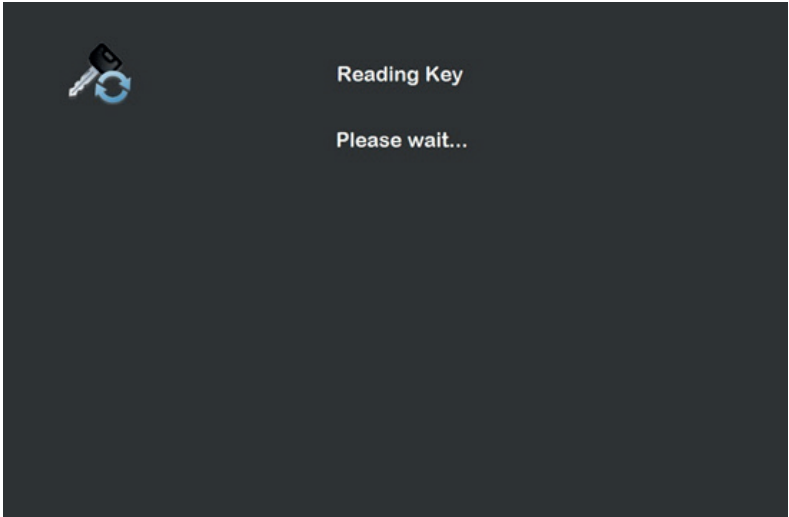
15. Insert a blank Silca key (HU106S23) (Fig.19) into the Smart Programmer base (Fig.20) .

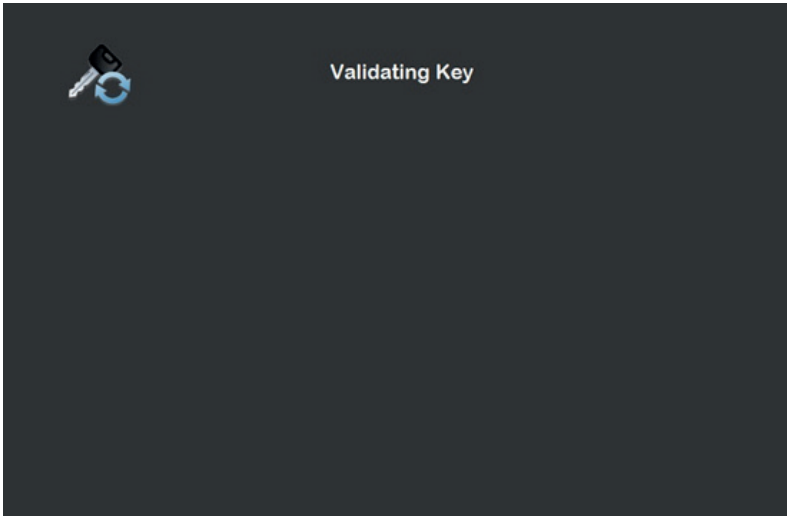
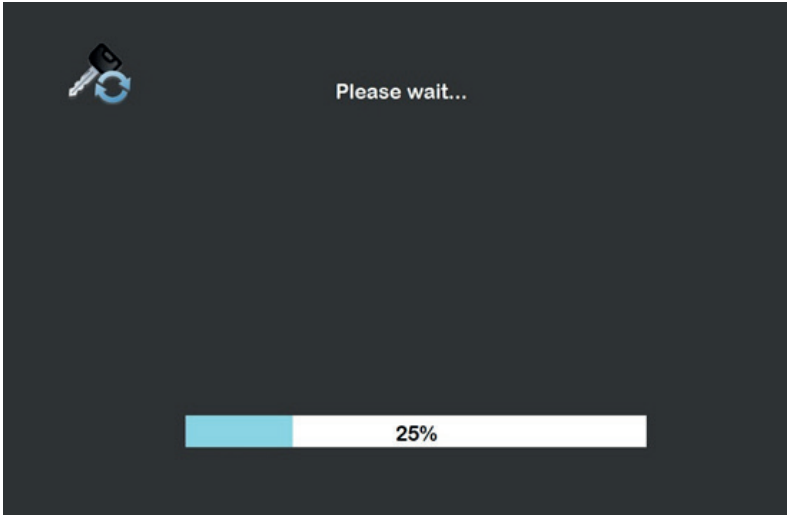


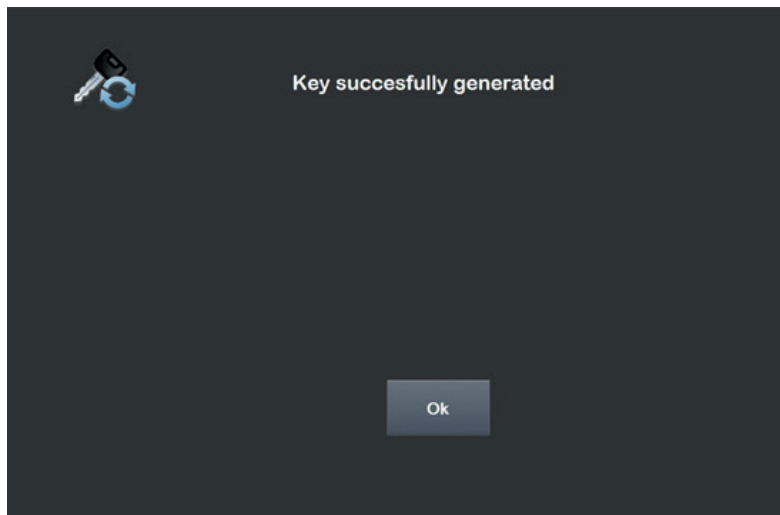
FIG.19



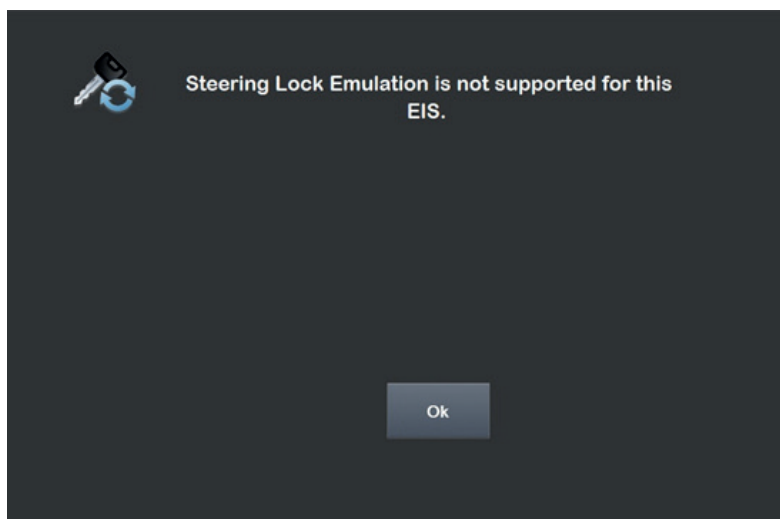
FIG.20



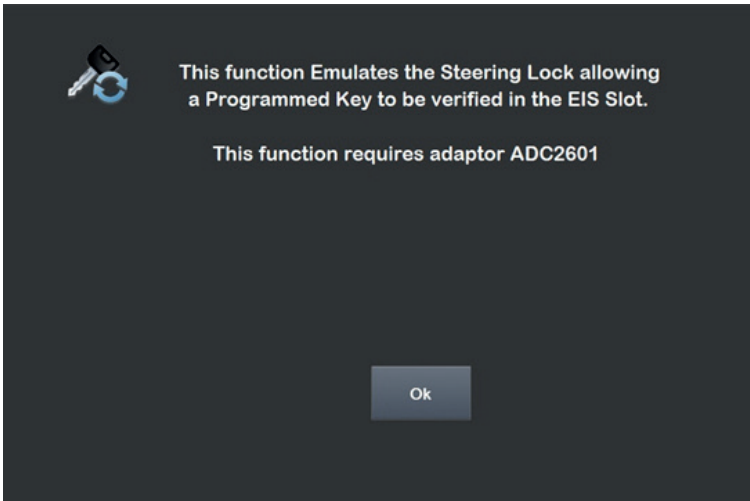




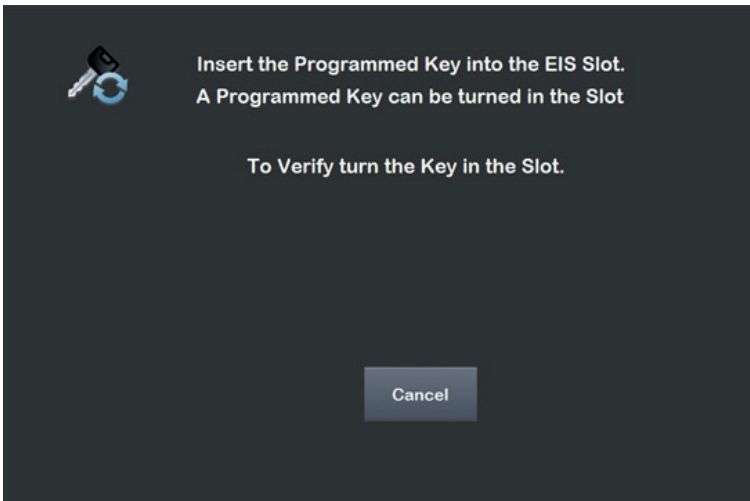
16. New key is successfully generated

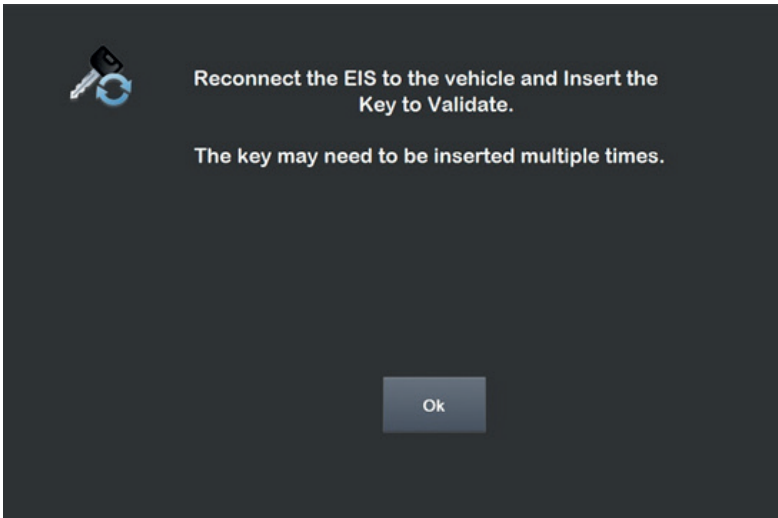


17. The All Keys Lost software has a built in feature which emulates the vehicle steering lock and allows a programmed key to turn freely in the EIS to confirm successful programming. Some EIS units do not require this feature, if so the instruction will show that it is not supported.

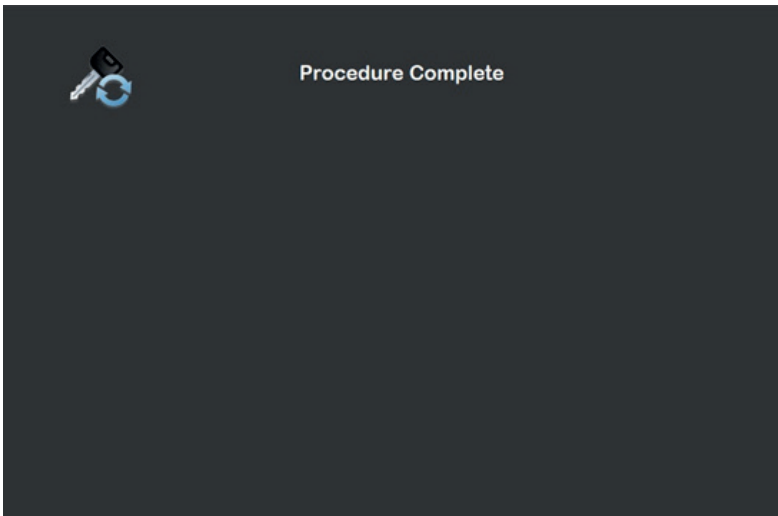


18. The All Keys Lost software has a built in feature which emulates the vehicle steering lock and allows a programmed key to turn freely in the EIS to confirm successful programming. The EIS units that support this feature are related to the ADC2601 Adaptor cable.





19. If the Key successfully turns in the EIS this indicates that the key is now programmed. The EIS can now be replaced back in to the vehicle and confirm engine starts.



DECLARATION OF CONFORMITY

EN Advanced Diagnostics Ltd hereby declares that this Cable complies with the essential requisites and other relevant regulations established by Directive 2014/30/EU and by the Electromagnetic Compatibility Regulation 2016 (UK). Read the EU and UKCA declarations of conformity on our website:

<https://www.silca.biz/s-en/products-solutions/products/automotive>

IT Con la presente Advanced Diagnostics Ltd dichiara che questo Cavo è conforme ai requisiti essenziali ed alle altre disposizioni pertinenti stabilite dalla direttiva 2014/30/UE e dal Electromagnetic Compatibility Regulation 2016 (UK). Le dichiarazioni di conformità EU e UKCA possono essere consultate al seguente indirizzo:

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<https://www.silca.biz/s-de/produkte/produkte/automotive>

FR Advanced Diagnostics Ltd déclare par la présente que ce Câble est conforme aux conditions essentielles et autres prescriptions afférentes fixées par la directive 2014/30/UE et dans le Electromagnetic Compatibility Regulation 2016 (UK). Les déclarations de conformité de l'UE et de l'UKCA sont disponibles à l'adresse suivante:

<https://www.silca.biz/s-fr/produits-solutions/produits/automotive>

ES Por medio de la presente Advanced Diagnostics Ltd declara que este Cable está conforme con los requisitos esenciales y con otras disposiciones pertinentes establecidas por la directiva 2014/30/UE y el Electromagnetic Compatibility Regulation 2016 (UK). Las declaraciones de conformidad de la UE y de la UKCA pueden encontrarse en la siguiente dirección:

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PT Com a presente, a Advanced Diagnostics Ltd declara que este Cabo cumpre os requisitos essenciais e as demais disposições relativas definidas pela directiva 2014/30/UE e no Electromagnetic Compatibility Regulation 2016 (UK). As declarações de conformidade da UE e da UKCA podem ser encontradas no seguinte endereço:

<https://www.silca.biz/s-pt/products-solutions/produtos/automotive>

NL Hierbij verklaart Advanced Diagnostics Ltd dat dit Kabel voldoet aan de essentiële eisen en overige toepasbare bepalingen vastgelegd in de Richtlijn 2014/30/EU en de Electromagnetic Compatibility Regulation 2016 (UK). De EU- en UKCA-conformiteitsverklaringen zijn te vinden op het volgende adres:

<https://www.silca.biz/s-nl/products-solutions/products/automotive>

DECOMMISSIONING



INFORMATION TO USERS

From 'Actuation of Directive 2012/19/EU regarding Waste Electrical and Electronic Equipment (WEEE)'

The symbol of a crossed waste bin found on equipment or its packing indicates that at the end of the product's useful life it must be collected separately from other waste so that it can be properly treated and recycled. In particular, separate collection of this professional equipment when no longer in use is organized and managed:

- a) directly by the user when the equipment was placed on the market before 31 December 2010 and the user personally decides to eliminate it without replacing it with new equivalent equipment designed for the same use;
- b) by the manufacturer, that is to say the subject which was the first to introduce and market new equipment that replaces previous equipment, when the user decides to eliminate equipment placed on the market before 31 December 2010 at the end of its useful life and replace it with an equivalent product designed for the same use. In this latter case the user may ask the manufacturer to collect the existing equipment;
- c) by the manufacturer, that is to say the subject which was the first to introduce and market new equipment that replaces previous equipment, if it was placed on the market after 31 December 2010;

With reference to portable batteries/accumulators, when such products are no longer in use the user shall take them to suitable authorized waste treatment facilities.

Suitable separate collection for the purpose of forwarding discarded equipment and batteries/accumulators for recycling, treatment or disposal in an environmentally friendly way helps to avoid possible negative effects on the environment and human health and encourages re-use and/or recycling of the materials making up the equipment.

To remove batteries/accumulators, consult the manufacturer's specific instructions: (see relevant chapter in the users' manual).

The sanctions currently provided for by law shall apply to users who dispose of equipment, batteries and accumulators in unauthorized ways.



Thank you for your purchase

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