Adrian Rickus and Nikki Skett were pronounced husband and wife at the idyllic Cypress Grove Park, Florida, USA on October 3rd 2012. The happy couple exchanged vows and were married with family and friends present. After the wedding, the entourage visited the nearby, Walt Disney World Resort. Adrian Rickus has worked for Advanced Diagnostics for 11 years providing software engineering and IT Support services for the company. Our reporter asked Adrian - why did you choose to marry in Florida? “We wanted a wedding to remember, and after looking at all the options available - we decided on Florida because of the warm sunny climate and the entertainment available at Disney World for the kids. Everyone had a great time and the ceremony went smoothly with much credit to the organizers. Nikki and I would like to say thanks to all of our family and friends for making the effort to attend our wedding including all of those who sent kind wishes. Your presence made it a special day to remember”.

The happy couple Mr & Mrs Rickus. Best wishes for the future - From The AD Team
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Watercraft Engine Evolution

In recent years, marine engine technology has increased its dependency on computerised engine control systems and electronics. A number of factors have prompted engine manufacturers to evolve by installing sophisticated electronic systems into their engine systems. One factor, EFI engine systems have significantly increased in complexity in recent years with the addition of many other systems such as Supercharging, which requires added electronics - used to sense and control boost pressure, operate the intercooler, read additional sensors including control of associated supercharger functions. The major driving force behind engine evolution, is strict emission laws set by governments - that are being adopted by most countries gradually. Soon, all inboard petrol engines, including stern-drives will be fitted with emission controls to run more efficiently and to help minimize pollution. Routine servicing and maintenance jobs, that once only required a toolbox full of basic mechanical tools is a thing of the past. Today’s marine engines are complex and fine tuned - and demand sophisticated diagnostic tools and computer programs with a greater demand of knowledge and expertise from Marine Engineers. For example, an OBD-M (On Board Diagnostics for Marine) system malfunction may appear to be fixed, however the ECM may require the engine to attain specific operating conditions before the component that was replaced is fully tested, so engineers will require some insight into how and when the ECM runs its component diagnostic tests. More emphasis to refer to factory service manuals will be required to determine when specific sensor and component tests are scheduled to be run by the ECM. The introduction of catalytic converters, oxygen sensors and closed loop fuel systems, also brings new diagnostic challenges for engineers.

Are You Prepared?

Diagnostic tools are required to enable these complex systems to be interrogated, however engineers will still need to have a good understanding of troubleshooting and repair procedures to successfully service and maintain these complex systems and read service information and other important data. Each manufacturer offers its own diagnostic tool to provide coverage of its own engines, which can be expensive or even prohibitive. Outside the dealer network, only a limited number of companies offer specialist watercraft engine diagnostic tools - for marine engineers and portside workshops. Choosing the right diagnostic tool for your business is crucial and naturally, it’s best to do your homework and research all the available tools in the market before buying, including finding out about after-care and warranty. When you’re ready to buy, choose one with the broadest manufacturer coverage and a user friendly interface with good after-care and technical support.

Innovative engine diagnostic tool from Advanced Diagnostics revolutionizes watercraft engine servicing and repair for all makes and models.

AD100Pro MARINE

The Future

Being prepared as change happens in the marine industry is a vital pre-requisite for marine engineers and technicians. As the global marine market develops over the next few years, Advanced Diagnostics are perfectly poised to develop and provide a range of software modules across all manufacturers, for marine engineers with high quality after-sales support. A strong opportunity now exists for marine workshop businesses to enter the lucrative marine engine diagnostics and servicing market.

A recent report published by Research and Markets reported... “The global marine ports and services market had total revenues of $54.3 billion in 2011 representing a compound annual growth rate (CAGR) of 4.7% between 2007 and 2011. The performance of the market is forecast to accelerate, with an anticipated CAGR of 7.2% for the period 2011 to 2016, which is expected to drive the market to a value of $76.7 billion.”

source - www.researchandmarkets.com

Diagnostics for all makes and models.
New Markets

Advanced Diagnostics Welcomes New Distributors

Advanced Diagnostics are delighted to welcome aboard a new marine distributor for the USA. Teleflex Marine, based in Lichfield, USA - are an established global marine watercraft OEM parts supplier to the marine marketplace - through international distributors. Teleflex Marine have secured an exclusive distribution deal for the USA on behalf of Advanced Diagnostics. Teleflex is a major player in the marine industry - and to reflect their own brand identity and strong market presence - Teleflex have rebranded the tester as the - STATS Sierra Touch And Test System. For nearly 60 years, Teleflex Marine have been dedicated to supplying high quality components and cables to boat builders, boaters, and dealers worldwide. The team at Advanced Diagnostics, would like to wish Teleflex Marine the very best and success for the future.

Advanced Diagnostics are delighted to welcome aboard a new marine distributor for UK and Ireland. Network Yacht Brokers, Pwllheil are a brokerage and service centre part of a nationwide yacht brokerage firm - Network Yacht Brokers. Based in Pwllheil, North Wales, beside the award winning Hafan Bay Marina - Mick and Lynne Killip have secured distribution for the innovative AD100Pro MARINE Diagnostic System from Advanced Diagnostics. The team at Advanced diagnostics, would like to wish Mick and Lynne the very best and success for the future.

Advanced Diagnostics are delighted to welcome aboard a new Key programming equipment distributor for Sweden. ProDib is a supplier of keyblanks, keycutting machines for locksmiths worldwide - operating from a 2600sqm distribution centre in Eskilstuna, Sweden. ProDib have secured exclusivity to distribute the MVPPro, AD100Pro and AD100Pro Truck throughout Sweden. The team at Advanced diagnostics, would like to wish ProDib the very best and success for the future.
**Advanced Diagnostics are pleased to announce the release of a FREE software update for Renault Pin Code Read software - ADS161.**

The new Renault software will initially appear under Beta as V2. This software automatically calculates and enters the Pin Code when key programming, so there is no requirement to read the pin code separately.

However the option to read the pin code independently still exists, if required.

Additionally, for a short period of time a V1 option will also exist in the menu, allowing keys to be programmed, as currently (i.e by entering the pin code manually). For the Clio III, Laguna II and Koleos vehicles, ADS104, ADS161 and ADS180 is required. All other vehicles require only ADS104 and ADS161.

The Kangoo II and Megane III vehicles will be added to the list soon. Software version 10.49 onwards contains the updated pin code reading functionality for the following vehicles:

- Espace
- Kangoo (II)
- Koleos
- Laguna II Phase I
- Clio II (Sagem)
- Clio II (Siemens)
- Clio III (with Card)
- Clio III (with Key)
- Scenic II
- Traffic II
- Velsatis II Phase I
- Velsatis II Phase II
- Laguna II Phase II
- Laguna III
- Master
- Megane II

Note: MVPPRo and Premium Code Pro 1 token will be deducted for key programming up to a maximum of 4 keys.

If you choose to read the Pin Code an additional token will be deducted, however, a warning screen is displayed indicating that Pin Code reading is not required.

**Advanced Diagnostics are pleased to announce the release of new parameter reset software for various Ford, Lincoln, Mercury, & Mazda vehicles.** On Ford / Mazda vehicles - if any of the vehicle’s PATS (Passive Anti-Theft System) components such as the dashboard (HEC) or the Power Control Module (PCM) are replaced or exchanged a PARAMETER RESET must be performed to re-match the vehicles PATS system. Previously released Ford software is required for the new software to function.

**Software Categories:**

- CABLE: ADC250 or ADC151
- DONGLE: A
- SOFTWARE CATEGORY: C
- OTHER SOFTWARE REQUIRED: ADS100, ADS155, ADS172, ADS175
- SMARTCARD WEBSITE SECURITY: YES
Advanced Diagnostics are pleased to announce the release of a new improved Pin Code reading dongle for Nissan /Infiniti vehicles from 2004 onwards. This dongle converts the 5 digit BCM label numbers to a 4 digit Pin Code.

ADC198 Dongle supersedes ADC176.

ADC176 only covers vehicles from 2004 to 2008, as Nissan changed the system in 2009. Whereas, ADC198 covers vehicles from 2004 to 2012.

What Does This Mean For Customers?
The new dongle is for Pro testers only.

When customers receive the ADC198 dongle they will need to update their testers to activate it.

MVPPro / Premium Code MVPPro and Premium Code customers will be required to purchase the new dongle in the same way as AD100Pro / TCodePro customers.

No tokens will be used when using ADC198.

<table>
<thead>
<tr>
<th>CABLE</th>
<th>ADC250 or ADC151</th>
</tr>
</thead>
<tbody>
<tr>
<td>DONGLE</td>
<td>ADC198</td>
</tr>
<tr>
<td>OTHER SOFTWARE REQUIRED</td>
<td>ADS112</td>
</tr>
<tr>
<td>SMARTCARD WEBSITE SECURITY</td>
<td>No</td>
</tr>
</tbody>
</table>

w w w . a d v a n c e d - d i a g n o s t i c s . c o m

T: +44 (0) 2476 347000 F: +44 (0) 2476 347100 E: sales@advanced-diagnositcs.co.uk
Advanced Diagnostics are pleased to announce the release of new software ADS196 for Kia / Hyundai vehicles. The new software will program proximity and basic keys for the vehicles listed below.

For use in USA / CANADA Only

Bladed Keys
KIA RIO 2012 onwards

Proximity Keys
HYUNDAI ELANTRA 2011 onwards
HYUNDAI SANTA FE 2012 onwards
HYUNDAI VELOSTER 2012 onwards

Pin Codes can be obtained by either using the AD900 Pro Hyundai/Kia Pin Codes or via the online AD Pin Code service.

Tcode Pro
If you have Kia (ADS120) and Kia CAN (ADS147) software on your tester, you will have Kia 2012 models added.

If you have Hyundai (ADS118) and Hyundai CAN (ADS148) software on your tester, you will have Hyundai 2012 models added.

If you have both Kia / Kia CAN and Hyundai / Hyundai CAN software on your tester you will have both Kia / Hyundai 2012 models added.

MVPPro
This software will be added automatically.

For ADS195 to work - you will need ADS113 software.

Software for USA and Canada Only

<table>
<thead>
<tr>
<th>CABLE</th>
<th>ADC250 or ADC151</th>
</tr>
</thead>
<tbody>
<tr>
<td>DONGLE</td>
<td>G</td>
</tr>
<tr>
<td>SOFTWARE CATEGORY</td>
<td>B</td>
</tr>
<tr>
<td>OTHER SOFTWARE REQUIRED</td>
<td>ADS113</td>
</tr>
<tr>
<td>SMARTCARD WEBSITE SECURITY</td>
<td>YES</td>
</tr>
</tbody>
</table>

For ADS196 to work - you will need ADS113 software.

Software for USA and Canada Only

<table>
<thead>
<tr>
<th>CABLE</th>
<th>ADC250 or ADC151</th>
</tr>
</thead>
<tbody>
<tr>
<td>DONGLE</td>
<td>A</td>
</tr>
<tr>
<td>SOFTWARE CATEGORY</td>
<td>B</td>
</tr>
<tr>
<td>OTHER SOFTWARE REQUIRED</td>
<td>Kia = ADS120 + ADS147</td>
</tr>
<tr>
<td></td>
<td>Hyundai = ADS118 + ADS148</td>
</tr>
<tr>
<td>SMARTCARD WEBSITE SECURITY</td>
<td>YES</td>
</tr>
</tbody>
</table>
Advanced Diagnostics are pleased to announce the release of ADS193 software for Honda & Acura vehicles. The new software will program proximity keys for the vehicles listed opposite.

There is no PIN CODE needed for programming, just the Pro tester, smartcard & calculator.

The new software supports petrol cars with various spec levels i.e. Honda Accord EX-L.

For use in USA/CANADA Only

### Proximity Keys
- Honda Accord 2013 Proximity
- Acura ILX 2013 Proximity
- Acura RDX 2013 Proximity
- Acura RL 2005 - 2012 Proximity
- Acura TL 2009 - 2012 Proximity
- Acura ZDX 2010 - 2012 Proximity

### TCode Pro
For ADS193 to function, you will need previous Honda software ADS110 installed.

### MVPPro
This software will be added automatically. Required hardware - Dongle N available for purchase.

<table>
<thead>
<tr>
<th>CABLE</th>
<th>ADC250 or ADC151</th>
</tr>
</thead>
<tbody>
<tr>
<td>DONGLE</td>
<td>Acura = N - Lime Green ADC197 Honda = A</td>
</tr>
<tr>
<td>SOFTWARE CATEGORY</td>
<td>A</td>
</tr>
<tr>
<td>OTHER SOFTWARE REQUIRED</td>
<td>ADS110</td>
</tr>
<tr>
<td>SMARTCARD WEBSITE SECURITY</td>
<td>YES</td>
</tr>
</tbody>
</table>
New Software Update

**ADS403**

**Mercruiser Diagnostics**

**August 2012**

Advanced Diagnostics are pleased to announce - a free of charge software update for ADS403, for the AD100Pro Marine. The Mercruiser diagnostics update can read live data, read and clear fault codes including forced output tests and a wide range of service functions on various MEFI engines from 1996 - 2002.

This software contains the ability to test GM Delphi MEFI 1 through 3 based systems, that is not only fitted to Mercury/Mercruiser but also fitted to many other manufacturers including Volvo, Crusader, Flagship Marine, GM Ramjet, Indmar, Kodiak, Marine Power, Panther airboats, PCM and any other manufacturer that uses the MEFI 1-3. System.

The GM Delphi MEFI 4 system will also be added to ADS403, as a free of charge update. Like the other MEFI systems, MEFI 4 is also fitted to this wide range of manufacturers. So purchasing ADS403 provides technicians with the ability to diagnose, repair and service the Mercury/Mercruiser engines and all MEFI 1-4 systems.

**Cables Required**

<table>
<thead>
<tr>
<th>Cables Required</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ADC300 + ADC424</strong></td>
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</tbody>
</table>

**Dongle**

<table>
<thead>
<tr>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>A</strong></td>
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</table>

**Software Category**

<table>
<thead>
<tr>
<th>Software Category</th>
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<tbody>
<tr>
<td><strong>A</strong></td>
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</table>

**Other Software Required**

<table>
<thead>
<tr>
<th>Other Software Required</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ADS403</strong></td>
</tr>
</tbody>
</table>

The AD100Pro Marine is the diagnostics tool for the 21st Century, enabling watercraft technicians to provide diagnostic servicing & repair for all makes and models of watercraft, including jet-skis, inboard & outboard engines worldwide. For more information visit www.marinediagnostics.co.uk
Advanced Diagnostics are pleased to announce the release of new software for the AD100Pro Marine. The BRP Johnson EvinRude software, ADS412 can read live data, read and clear fault codes including forced output tests and a wide range of service functions on various E-Tech outboard engines from 2000 onwards.

### Cables Required

<table>
<thead>
<tr>
<th>ADC300 + ADC423</th>
</tr>
</thead>
</table>

### Dongle

| A |

### Software Category

| A |

### Other Software Required

| NO |
2012 has been a busy year for Advanced Diagnostics. Over the months - we have added, updated & improved the AD100 Pro MARINE with new functions & software modules to enhance an already powerful diagnostics tool used to diagnose & service all makes and models of watercraft engines worldwide. The latest software to be included is ADS412 for BRP Johnson Evinrude outboards from 2000 onwards, which includes diagnostics for BRP Fitch (All models) up to 2000. This software can read live data and read and clear fault codes, including forced output tests, and a wide range of service functions. Also, a free update has been added to ADS403 for Mercury / Mercruiser inboards / outboards covering MEFI engines from 1996 to 2002. We are currently developing additional updates for Mercruiser MEFI 4 engines and this will be added to ADS403 free of charge when the software is complete. The AD100Pro MARINE is continually being updated and improved to ensure marine technicians have the latest and most powerful diagnostics tool available in the marketplace - a tool that out performs the competition and provides a broad range of service functions & diagnostics for various marine engines & jets-ski's. Below, is a list of software currently available for the AD100 Pro MARINE.

<table>
<thead>
<tr>
<th>SOFTWARE CATEGORY</th>
<th>PART NUMBER</th>
<th>MANUFACTURER</th>
<th>TYPE</th>
<th>FUNCTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>ADS400</td>
<td>BRP / SEADOO</td>
<td>JET-SKI</td>
<td>DIAGNOSTICS / KEY PROGRAMMING</td>
</tr>
<tr>
<td>A</td>
<td>ADS412</td>
<td>BRP EVINRUDE</td>
<td>OUTBOARDS</td>
<td>DIAGNOSTICS</td>
</tr>
<tr>
<td>A</td>
<td>ADS402</td>
<td>KAWASAKI</td>
<td>JET-SKI</td>
<td>DIAGNOSTICS / KEY PROGRAMMING</td>
</tr>
<tr>
<td>A</td>
<td>ADS403</td>
<td>MERCURISER / MERCURY</td>
<td>INBOARDS / OUTBOARDS</td>
<td>DIAGNOSTICS</td>
</tr>
<tr>
<td>A</td>
<td>ADS404</td>
<td>YAMAHA</td>
<td>OUTBOARDS</td>
<td>DIAGNOSTICS</td>
</tr>
<tr>
<td>A</td>
<td>ADS405</td>
<td>HYDROSPACE / BENELLI / S4 / WEBER</td>
<td>JET-SKI</td>
<td>DIAGNOSTICS</td>
</tr>
<tr>
<td>A</td>
<td>ADS406</td>
<td>VOLVO PENTA (DIESEL)</td>
<td>INBOARDS / OUTBOARDS</td>
<td>DIAGNOSTICS</td>
</tr>
<tr>
<td>A</td>
<td>ADS407</td>
<td>YANMAR</td>
<td>INBOARDS / OUTBOARDS</td>
<td>DIAGNOSTICS</td>
</tr>
<tr>
<td>A</td>
<td>ADS408</td>
<td>YAMAHA</td>
<td>JET-SKI</td>
<td>DIAGNOSTICS - REMOTE PROGRAMMING</td>
</tr>
<tr>
<td>A</td>
<td>ADS410</td>
<td>SUZUKI</td>
<td>OUTBOARDS</td>
<td>DIAGNOSTICS</td>
</tr>
</tbody>
</table>
Advanced Diagnostics have expanded the functionality of the AD100Pro MARINE with a NEW FREE to use Data Viewer that enables the user to print & save data from the AD100Pro MARINE direct onto a laptop or pc, by connecting to the Advanced Diagnostics Loader Program. This new feature was specifically added to the AD100Pro MARINE to assist marine technicians to streamline & save time when diagnosing faults & servicing engines.

The new print and save function allows the technician to view data stored on the AD100Pro MARINE - even after the tester has been disconnected from the engine. This makes the new Data Viewer feature an essential component when diagnosing complex jobs back at the workshop or the office. The Data Viewer is very useful for keeping records, revisiting previous diagnostic jobs or to help diagnose similar future problems. The print option allows you to print diagnostic reports for customers for their own records. For a more detailed guide - download the AD100Pro MARINE Manual from the marine diagnostics website.

www.marinediagnostics.co.uk
Advanced Diagnostics are pleased to announce the launch of Info Quest - an online application guide and technical information system for key & remote programming for vehicle manufacturers worldwide. IQ is an online resource developed by Advanced Diagnostics specifically for automotive locksmiths and will replace the current PDF application guides.

IQ allows the locksmith to:
- Identify what software is required
- View application coverage by software
- Access technical information for the system
- View component location
- View Training videos

A link to IQ can be found on the Advanced Diagnostics website from Friday 14th September 2012.

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

Using Info quest is easy, and can be used in two modes:

Without Signing In
Allows anyone to view basic information regarding the application coverage of the key programming software. This is important for new customers to see what application coverage we have.

Signing In
Allows customers that own AD programming equipment and have registered on the technical forum to access more detailed application information.

The login details (username & password) will be the same as your forum login details.

There are three search options available for finding the right software when using IQ:

Vehicle Search, Part Search & Software search. Vehicle search allows you to search by vehicle manufacturer. Simply click on the selected manufacturer and a list of vehicle models will be displayed, that can also be viewed by region. Then by double clicking on the vehicle model another page opens identifying the relevant software to be used for key programming. On this page you will also find the correct cable and dongle to be used.

Part Search allows you to search by software part number by selecting software from a drop down list. Once a part number is selected a list of vehicle manufacturers including models and a year start and end date will be displayed. This identifies which manufacturer the software can be used for.

Software Search is the third option for finding the right software. When this option is selected a full list of manufacturers is displayed, in alphabetical order, including software part numbers & any additional software required for key or remote programming.

For customer convenience, there is a print option available for all three search options.

Currently, IQ is a website only facility however, Advanced Diagnostics are developing IQ Apps, for the iphone and android type smartphones & these should be available soon.

IQ will be a live database that will be constantly updated. Advanced Diagnostics appreciate that IQ will also have errors in it, and have included a customer feedback facility for your feedback, enabling us to correct any mistakes when we know about them.

We hope you find IQ helpful and we value your feedback.
Three simple steps to locate vehicle data for all makes and models.
The Marine Equipment Trade Show in Amsterdam is the largest exhibition specifically for marine equipment vendors in the world. Many companies from most countries attended this year. Advanced Diagnostics have exhibited for three consecutive years at the show with our European Distributor - Elme Tools. Mets 2012 was vibrant and packed with businesses exhibiting all types of products and services for everything marine. AD received positive feedback and lots of interest from prospective distributors - including marine engineers seeking a versatile diagnostics tool that covers all makes and models of watercraft. Thanks to everyone who visited our stand.
SNAPSHOTS

TCode Club Mexico 2012

www.advanced-diagnostics.com

T: +44 (0) 2476 347000 F: +44 (0) 2476 347100 E: sales@advanced-diagnostics.co.uk
News Updates

New AD Website Update
The new AD website will be here soon. Due to the amount of content, coding and security involved, the website has been extensively reworked to ensure the finished result serves the user needs in the best way. To further streamline the user experience, navigating around the website will be easy and seamless to ensure the information you need is found quickly. This sneak peak view of the homepage is work in progress and the layout will change. Thank you for bearing with us while we work on the new website.

Join us on Facebook & Twitter
AD would like to invite you to join us on Facebook and Twitter. We regularly post news and updates on Facebook and Twitter to keep you in the know. We can be found at....


https://twitter.com/AdvancedDiags

Merry Christmas and Best wishes for the New Year
From The AD Team