Portable Power

Service Letter

SL: **40009 – Rev.4**
Date: **January 12 ,2016**
Product: **Compressors & Generators with John Deere engines**
Subject: **John Deere Service Advisor Diagnostic Tool**

This letter replaces all previous Service Letters 40009.

This release concerns the full diagnostic tool for JD electronic engines.

Process Details

1. Dealer orders 46520615 and 46520607. Part 46551060 is optional as it includes two wiring harnesses that will allow office programming of an ECU before shipping to a customer.

2. Dealer sends his account details as mentioned in Notes (See "Notes" on page 2) to **danny.poelmans@doosan.com**.

3. Doosan will inform JD of "new user request".

4. JD will create new user access (web access and license for Service Advisor program).

5. Doosan will relay new account details to the dealer.

6. Doosan will invoice the dealer for the license fee of 300€ per 6 months and one administration fee of 25€ per year.This brings the total invoice amount to 625€ per year .

   a. First invoice will be for the period from start of new account to the end of the calendar year.

   b. From then onwards we will invoice per calendar year around the 15th of January.

Parts

P/N	DESCRIPTION
46520615	JD Diagnostic Tool Hardware Connection Kit (engine to laptop)
46551060	JD ECU Programming Kit (office programming)
46520607	JD Diagnostic Tool Software Installation DVD

Notes

For licensing and invoicing purpose we need you to supply us with the information requested in below tables, fill these out and e-mail to **danny.poelmans@doosan.com**

Invoicing Information

SHIP TO	
Corporate Name*	
Address*	
Postal Code*	
Town*	
Province	
Country*	
BILL TO	
Corporate Name*	
Address*	
Postal Code*	
Town*	
Province	
Country*	
VAT Registration N°	

Access to JD dbase

USER	
Company Name	
Address	
Postal Code	
Town	
Country	
Family Name	
First Name	
Date of Birth (mm/dd)	
Account Number	
Preferred Language	
Secondary Language	
Phone:	
Fax:	
Email	
Date of Employment (mm/dd/yyyy)	
Job Title	

NOTE: Without this information we cannot create the JD account and you will not be able to use the Service Advisor tool.

Service Advisor Details

Hardware Specifications

For Service ADVISOR™ to run correctly, the following hardware specifications are recommended:

Required:

- Minimum 80 GB hard drive - 120 GB recommended.
- Minimum - 1GB RAM - 2GB recommended.
- Windows Vista Business or XP Professional Operating System.
- Minimum screen resolution of 1024 x 768.
- 8X DVD-ROM drive.
- Internet connection (mandatory to download the license; broadband recommended for Incremental Updates.
- USB ports.
- Keep hardware updated with current video drivers.

Optional:

- Serial port (optional for some machine connections; USB to serial adapter can be used).
- Parallel port (if using PDM; USB to parallel adapter can be used).
- Bluetooth with WIDCOMM drivers (optional for EDL connection).

New Features For Service ADVISOR™

Incremental download of manuals

- The ability to receive manual updates between the DVD distribution via internet downloads.
- Similar to DTAC download functionality.
- Whenever possible, only the stories in the book that have changed will be downloaded.
- Also available for new models.
- Model specific.
- Configurable to download to a store server.

Benefits

- Lays the infrastructure to start eliminating data update DVD's.
- More accurate and updated information in manuals.
- Model specific means you only download manuals important to you.
- Configurable to store server means dealership can still take advantage of updated data, but only need to access the internet once per location.

Offline data point viewing

- Browse all available data points, interactive tests and calibrations.
- Tech no longer needs to be connected to the machine to see an accurate list of what is available on a particular model.

Benefits

- More experienced tech located offsite can be of much greater assistance to new tech in the field because he can "see" what all should be available on that machine.

Embedded readings for manuals

- New capability for writers of technical manuals to provide live readings values directly in book.
- Ability to retrieve and clear codes.

Benefits

- Tech spends less time finding information in Service ADVISOR™ because the diagnostic procedure and the live readings values are all combined.

Replacement of search engine utilized for searching DTAC solutions and manuals

Benefits

- Faster searches.
- Potential for "fuzzy" match, spelling suggestions.
- Looking to leverage usage of tool in other applications.

ECU Programming Kit Details: CPN 46551060

Machine Applications

All John Deere electronically controlled OEM engines. Program the Engine Control Unit (ECU) prior to installation on the engine and without engine wiring harness.

Tool Description

The Programming Kit ECU (p/n 46551060), contains the three items listed:

P/N	DESCRIPTION	SUPPLIER'S REF.
46551061	Power Switch Box	JDG11264
46551062	Harness 8, Level 14 - 16 - 18	JDG11269
46551063	Harness 7, Level 12	JDG11331

Tool Usage

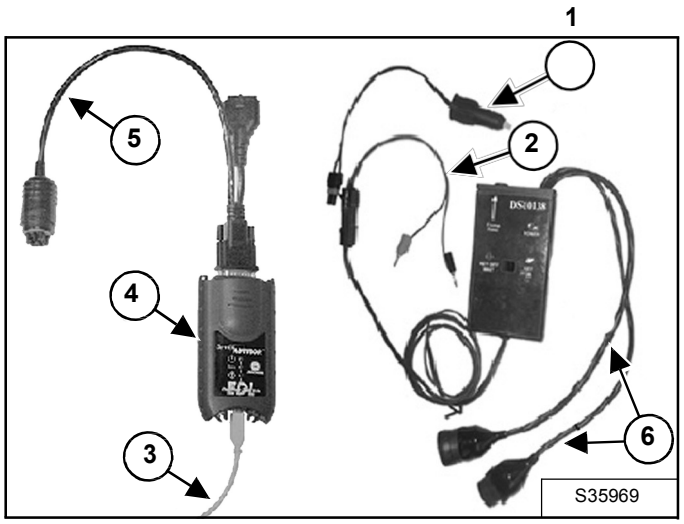
Allows to program level 12 - 14 - 16 - 18 Engine Control Unit (ECU) prior to connection to the engine wiring harness. This allows the ECU to be programmed to the customer's requirements on the bench, prior to shipment to the customer.

A connection, via DS10117 "EDL" or former DS10123 "Magic Key (PDM)", to a computer through Service ADVISOR™ or JDCPP is required.

Connecting ECU Programming Cable Kit

NOTE: Connectors must be clean and free from dirt and grit before connecting. Carefully connect all connectors and adapters. Connectors are keyed to prevent incorrect connections. Forcing a fit may damage connectors or cause bent connector pins, which may require replacement of the cable or adapter. When applicable, tighten all connector thumbscrews to ensure reliable connection.

Figure 1



Select and configure the appropriate cables and adapters for the Level of ECU (Engine Control Unit) to be programmed and the power source to be used.

NOTE: The power source for the ECU Programming Cable Kit can be provided by using the Machine Adapter Accessory Power Cable (Item 1) or the Power Supply Cable with Leads (Item 2) [Figure 1], both of which are provided within the kit.

NOTE: The PDM may be used in place of the EDL for these instructions.

With power turned OFF, connect the PC Cable (Item 3) to the EDL (Item 4) **[Figure 1]** and to the Service ADVISOR™ computer.

NOTE: Although a wireless connection to a Service ADVISOR™ laptop can be made using EDL, it is not possible to reprogram the ECU via a wireless connection.

With the Main Test Box switch in the "Key OFF" position, connect the W1 Cable (Item 5) to the EDL (Item 4) and the appropriate Main Test Box harness (Item 6) **[Figure 1]**.

Figure 2

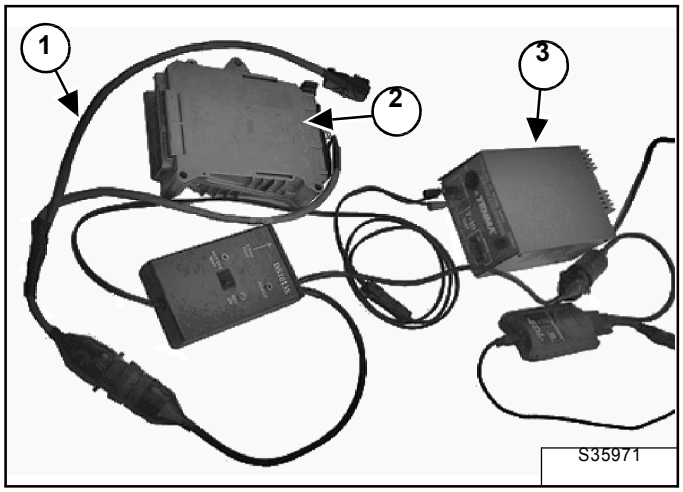
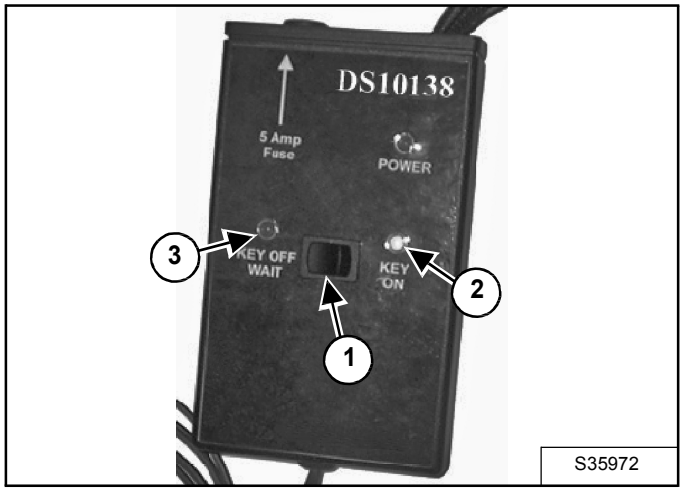


Figure 3



Connect the appropriate Level Programming Cable (Item 1) to the appropriate Main Test Box harness and to the ECU (Item 2) **[Figure 2]**.

NOTE: Some Levels of ECU require more than one connector to be attached. Make sure that when programming a Level 6, 8, 9, or 11 ECU, that both applicable connectors of the appropriate Level Programming Cable are connected to the ECU.

Apply power (12 volt DC) to the Main Test Box, if using the Power Supply Cable with Leads and a 12 volt DC power supply (Item 3) **[Figure 2]**, and verify that the Main Test Box power indicator light is ON.

Switch the Main Test Box switch (Item 1) to the "KEY ON" position. The "KEY ON" indicator light (Item 2) **[Figure 3]** should be ON.

Start the computer and Service ADVISOR™ software (Refer to the Service ADVISOR™ Help menu and eLearning tools for the instructions on using the Service ADVISOR™ software).

Using the Service ADVISOR™ software, download the appropriate payload and program the ECU (Refer to the Service ADVISOR™ Help menu and eLearning tools for instructions on using the Service ADVISOR™ software to program the ECU).

When Service ADVISOR™ has completed programming the ECU, switch the Main Test Box switch (Item 1) to the “KEY OFF” position and **WAIT** until the “KEY OFF” indicator light (Item 3) **[Figure 3]** goes OFF **BEFORE** removing power.

NOTE: Removing power from the Main Test Box prior to the “KEY OFF” indicator light going OFF could result in the ECU being incorrectly or not completely programmed. This could result in damage to the ECU.

After ECU is completely programmed, disconnect from Service ADVISOR™.

Remove power from Main Test Box and disconnect all applicable cables and connections.

If or when a network connection is available, click on the Connect to Deere Network button to automatically update John Deere Custom Performance with the latest ECU information.