CALIBRATION BOOKLET

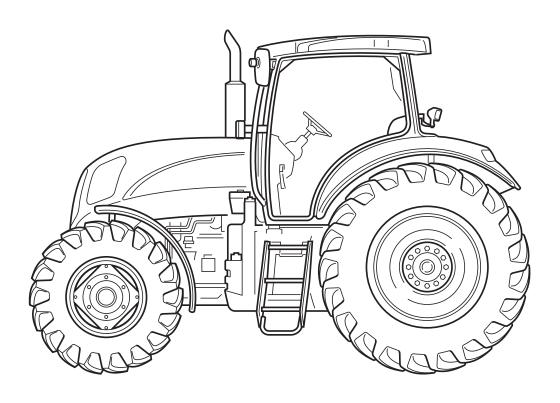
T7.170 / T7.185 / T7.200 / T7.210

Range Command / Power Command Tractors

T7.170 / T7.185 / T7.200 / T7.210

Auto Command Tractors

Sidewinder II™



Part Number 84533348

Ist edition English July 2011





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HYDRAULIC, PNEUMATIC, ELECTRICAL, ELECTRONIC SYSTEMS - A

ELECTRONIC SYSTEM - 50.A

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Control module - Configure H-Menu Overview

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ECU Names and Identifiers

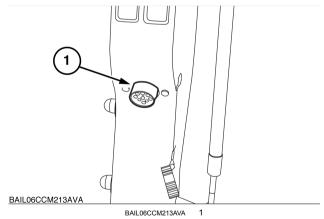
Each of the electronic control modules fitted to the vehicle has an associated identifier that is used by the instrument cluster during the H menu diagnostics procedures. Throughout this document the modules are referred to using these identifiers. The following table lists all the modules accessible from the H menu diagnostics, its function and the corresponding identifier used by the instrument cluster.

Identifier	Controller Name	Controller Functions
HU	Enhanced Analogue Digital Instrument Cluster (ADIC)	Instrument Cluster
JA	Enhanced Keypad	Keypad
KA	Steering Controller	Steering Control
LC	Armrest Controller	Armrest Controller
U1	Universal Controller	Transmission, Electronic Draft Control, Engine, Rear PTO, Front Wheel Drive, Differential Lock, Midmount Electronic Hydraulic Remote Valves, Suspended Front Axle Rear Electronic Hydraulic Remote Valves, Front PTO, Front Hitch
XA	EPL	Electronic Park Lock

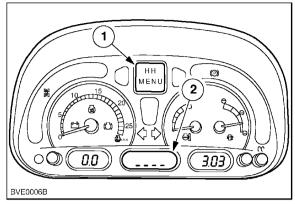
INTRODUCTION

The "H" menu mode is part of the on-board diagnostics, providing configuration and diagnostic support through the resources available on the system.

To gain access to the diagnostic "H" menu mode routine, it is necessary to use the diagnostic test switch, special tool **380000843 (1)** in the tractor diagnostic connector. The main diagnostics connector is located in the cab on the right hand side rear pillar behind the operators seat.



The Analogue Digital Instrument Cluster (ADIC) dot matrix display (1) and the lower central display (2) are used to indicate the information for the "H" menus.



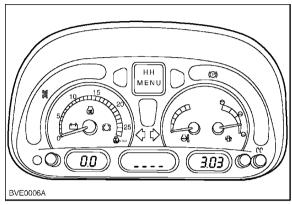
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H Menu Navigation Procedure

Connect the special tool 380000843 to the diagnostic connector and turn the key start switch ON

At key ON the ADIC will automatically build a list of the controllers connected on the Controller Area Network (CAN), and will store it in the Electrically Erasable Programmable Read Only Memory (EEPROM).

The dot matrix display will show "HH MENU" to indicate that the "H" menu has been activated.



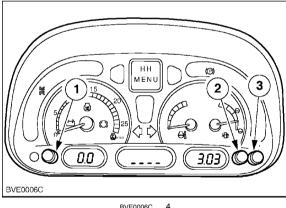
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To navigate the "H" menus use the "h" and "m" buttons to scroll left and right, and the "dimming" button to select the required controller or "H" menu.

Button "dimming" (1) - Select

Button "h" (2) - Scroll left

Button "m" (3) - Scroll right



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NOTE: Not all H menus will be available on every controller. If a controller does not implement a particular H menu, then it will not be shown when scrolling.

Controller Identifier Code Table

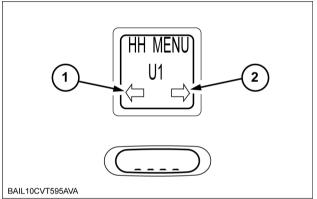
The controller is identified with a two letter code, i.e. HU - Enhanced ADIC.

Identifier	Controller Functions
HU	Enhanced Analogue Digital Instrument Cluster (ADIC)
JA	Enhanced Keypad
KA	Fast Steer System
LC	Armrest Controller
OA	Tractor ECU
U1	Transmission, Electronic Draft Control, Rear PTO, Front Wheel Drive, Differential Lock, Midmount Electronic Hydraulic Remote Valves, EngineFront Axle Suspension, Rear Electronic Hydraulic Remote Valves, Front PTO, Front Hitch
XA	Electronic Park Lock

With the diagnostic test switch, special tool **380000843** located in the tractor diagnostic connector key on the ignition. The dot matrix display and lower central display will show the HH Menu entry.

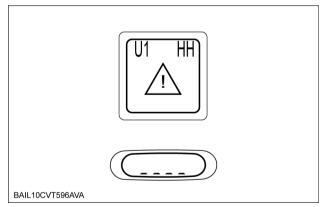
The left arrow (1) and the right arrow (2) indicate there are other controllers available.

To navigate through the list of controllers use the "h" button to scroll left and the "m" button to scroll right. Once the display shows the desired module it should be conformed by pressing the dimming key.



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If a controller cannot be found on the CAN, an error symbol will be displayed indicating there is no communication between the cluster and the selected controller.



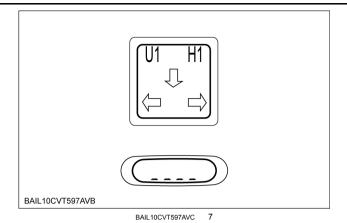
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Scroll through the available options, depress the "dimming" button to select the desired controller.

The display will change to show the "HH menu" selection screen.

The left and right arrows indicate there are other controllers available.

To navigate through the list of controllers use the "h" button to scroll left and the "m" button to scroll right. The down arrow indicates a subsystem menu is also available.



H Menu Common Features

The "H" menus consist of the following menu codes.

NOTE: Not all the following "H" menus are available for all controllers.

HH	Not Supported
H1	Calibration procedures
H2	View stored calibration values
H3	Configurations and options
H4	View software revision level
H5	Switch operation test
H6	Vehicle information view
H7	Vehicle test modes
H8	Clear stored calibration information
H9	Voltmeter diagnostics
HA	Demonstration mode
HB	Display stored fault codes
HC	Clear all stored fault codes
HE	Display frequency inputs
HF	View controller hardware information
HJ	Electronic hydraulic remote control valve number programming
HK	Rear electronic hydraulic remote control valve diagnostics

Dot Matrix Display Symbols

1. Engine	O	8. Front suspension	₽
2. Transmission	\Diamond	9. Four wheel drive	Ħ
3. Differential lock		10. Fast steer system	
Electronic draft control	<u>0</u>	11. HMC	
5. Front hitch	<u></u> F	12. Engine shutdown	8
6. Rear P.T.O. system	क्री	13. Air brake	
6a. Front P.T.O. system	[∯]	14. Steering sensor	1-1
7. Rear Electronic remote valves	⊶ ⊟⊃	16. Error code management	\Diamond
7a Front EHRs	F⊶□□	17. Intelliview	

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