

Diagnostic Trouble Codes

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The list below deals with the diagnostic trouble codes that are generated by the control units and can be transferred to the databus. In the diagnostic mode, they are displayed on the corner post.

A DTC (Diagnostic Trouble Code) consists of three elements:

- CUI = Control Unit Identifier, refers to the control unit
- SPN = Suspect Parameter Number; this number refers to the failure detected by the corresponding control unit.
- FMI = Failure Mode Identifier; this number defines the type of fault.

Priority of Diagnostic Trouble Codes

Each Diagnostic Trouble Code (DTC) has a priority. The priority of the DTC is indicated in the way the DTC is displayed:

- STOP = Priority 1 - The Cornerpost Display 1 will stop normal function and the DTC will be displayed. This indicates a problem that requires the forage harvester be stopped, the engine shut off immediately and the problem corrected. The Cornerpost Display 1 will show the DTC until the problem is solved.
- WARNING = Priority 2 - The Cornerpost Display 1 Diagnostic Indicator comes on. This indicates a problem that should be checked immediately.
- PROTECT = Priority 3 - DTC's will be stored, but it is not indicated.

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Control Unit Abbreviations

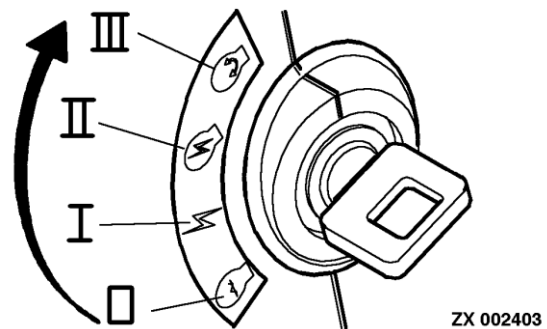
NOTE: Enter on-board diagnostic address RCP 103 (first digit) to select if diagnostic trouble codes are stored after the ignition key is cycled.

Display	Meaning
Arc	Armrest Control Unit
ECU	Engine Control Unit
ocP	Overhead Control Panel
rcP	Corner Post Control Unit
rdc	Rear Wheel Drive Control Unit
rGc	Row Guidance Control Unit
SIG	Metal Detector Control Unit
SPF	SPFH Main Control Unit
JdL	John Deere Link
PtP	Drive Train Control Unit
hhc	Control Unit for AHC system

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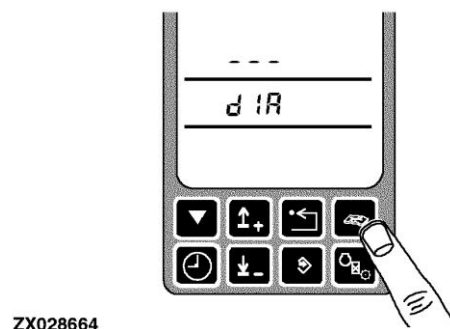
Prepare Forage Harvester:

Turn the key switch to the run position.



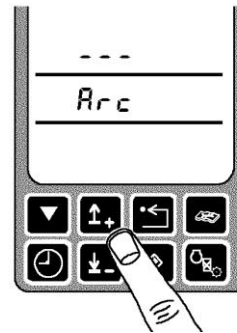
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Press the diagnostic switch. dIA will appear on the display.



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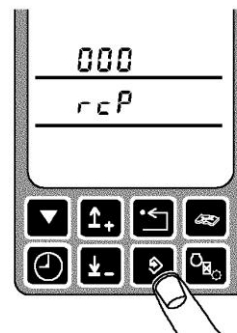
Press the up or down arrow switch to obtain the desired address (control unit identifier).



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Press the enter switch to 'select' the control unit. The display show the control unit identifier and the initial diagnostic address 000.



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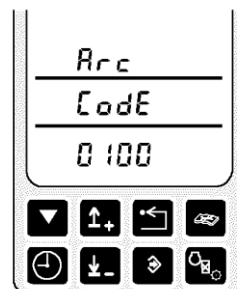
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Press the up arrow switch once. If diagnostic trouble codes are available the control unit identifier and CodE will appear on tachometer.

The bottom line indicates the number of active and stored codes:

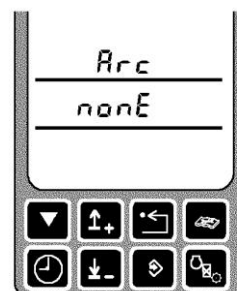
- The first two digits indicate the number of active codes.
- The last two digits indicate the number of inactive stored codes.

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If no diagnostic trouble codes are available the control unit identifier and nonE will appear on tachometer.

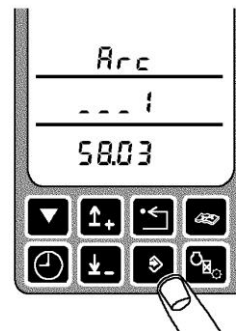
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To read diagnostic trouble codes (if available) press the enter switch.

- Record each control unit identifier
- Record each suspected parameter number
- Record each failure mode identifier



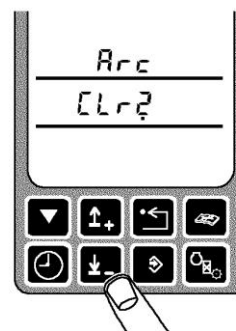
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Press the down arrow switch.

The next diagnostic trouble code appears on the display.

Repeat this procedure until the display reads **CLr?**



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When "CLr?" appears on the display, press the enter switch.

Done appears on the display.



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