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C&TERPILLAR*	Service Information System	Shutdown SIS
Previous Screen		
		Welcome: chrismk2
Product: NO EQUIPMENT S	SELECTED	
Model: NO EQUIPMENT SE	ELECTED	
Configuration: NO EQUIPM	IENT SELECTED	
Special Instruction	ON ostic Procedure for Certain On Highway Trucks{70	00}
Media Number -REHS8727	2-00 Publication Date -23/09/2013 Date	Updated -23/09/2013

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SART Module Diagnostic Procedure for Certain On Highway Trucks{7000}

SMCS - 7000

On Highway Truck:

ČT660 (S/N: TGA1-UP; TGD1-UP; TJD1-UP; TEJ1-UP; TRK1-UP; TKL1-UP; TEM1-UP; TEP1-UP; TGR1-UP; TGS1-UP; TJS1-UP; TGT1-UP; TGW1-UP; TSW1-UP; TEY1 -UP; TSY1-UP; TEZ1-UP; TGZ1-UP)

Introduction

The technician may notice that a code below is active or inactive. The customer might not mention a warning light for this code alone. Diagnostic Information and procedures for the Stand Alone Real Time clock (SART) module-related codes are explained in this Special Instruction.

SART Diagnostic Procedure

Table 1					
Possible Diagnostic Trouble Codes					
SPN	FMI	Module	Description		
251	19	ECM	ECM not detecting CAN message for real-time clock		
524285	14	SART	Unknown Fault		

The Status of the fault (whether the code is active or inactive) will determine the troubleshooting steps.

https://sis.cat.com/sisweb/sisweb/techdoc/techdoc_print_page.jsp?returnurl=/sisweb/siswe... 10/2/2013

- 1. Open Engine Diagnostics and check to see if the code is active.
- 2. Use the datalink sniffer in Engine Diagnostics to see if the SART module is communicating.

If the code is active, and the SART is communicating, follow the steps below:

Check Status of RTC and Resync

- 1. If the clock resyncs, the code clears and does not return, release the vehicle to customer.
- 2. If the code will not clear, but the module is communicating, the module will need to be replaced.
- 3. If the module is not communicating, check for power, ground, and datalink to the module.

If the code is inactive, follow the steps below:

Datalink Troubleshooting

- 1. Check power, ground, and datalink to module.
- 2. If no trouble is found, clear the code and release the truck to the customer.

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