Illustration 49 g03866585
Time Zone

7. Select the local time zone from the drop-down list.

Illustration 50 g03866589
Local Date and Time

8. Enter the local date and time. Use an accurate reference to set the time.

Note: Laptop clocks are not accurate and may have a different time than the local time.

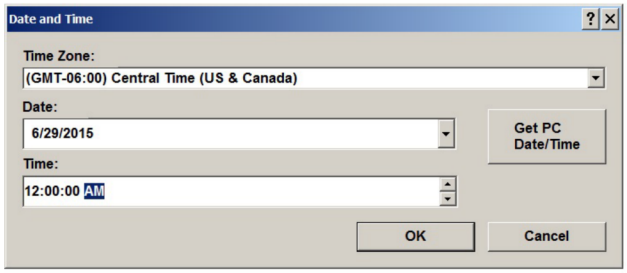

Illustration 51 g03866592
ET Display

9. Then press the “OK” button. The Cat ET will display the following message.

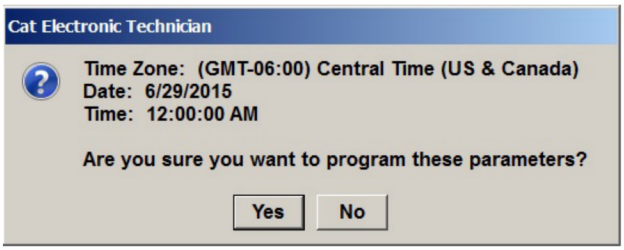

Illustration 52 g03866593
Cat ET Time Confirmation

10. Click on the “Yes” button in order to change the date and time or click on the “No” button in order to cancel the change. The Cat ET will display the new time on a 24 hour clock.

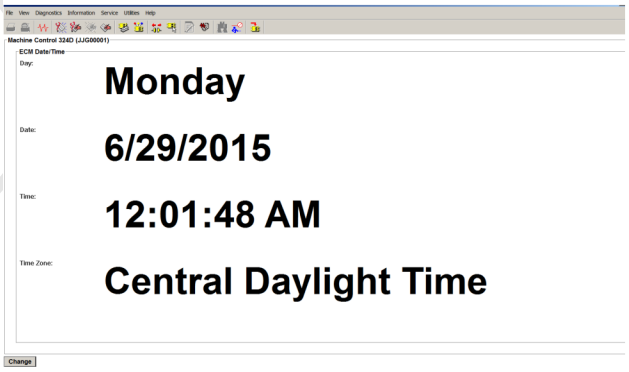

Illustration 53 g03866595
Cat ET Display 24 Hour Clock

i06229333

Software - Uninstall
(“Immobilizer” Feature)

SMCS Code: 7631-011

The “Uninstall” feature of the Machine Security System MSS allows the user to uninstall the Immobilizer feature from other electronic control modules.

The MSS3s ECM should be removed after the immobilizer software has been successfully uninstalled. If the MSS3s ECM is not removed, the LED for the status of the MSS will give a false indication.

The “Uninstall” screen for the Machine Security System consists of the areas that are listed below:

“Status Line” – The “status line” displays messages regarding the process of this function.

Display Area – The “Uninstall” display for the Machine Security System consists of two columns. The two columns are the “ECM” column and the “Security System Status” column. The “ECM” column lists every ECM that is installed on the machine with the immobilizer feature. The “Security System Status” column lists the status of the immobilizer feature of the Machine Security System. The status of the immobilizer feature is either “Installed” or “Not Installed” .

“Uninstall Button” – The “Uninstall” button starts the “Uninstall” process.

Perform the steps that are listed below in order to uninstall the Machine Security System:

Note: You will need to obtain a factory password in order to perform this procedure. A master electronic key will not allow the user to uninstall the Machine Security System. Refer to the Testing and Adjusting, “Factory Password - Obtain” section of this manual for information on obtaining a factory password.

1. Connect a laptop Computer with the Caterpillar ® ET to the machine via the communication adapter.

2. Place a key in the key start switch.

3. Turn the key to the “ON” position.

4. Start the Electronic Technician and establish communications with the MSS3s ECM.

5. Obtain a factory password. Refer to the Testing and Adjusting, “Factory Password - Obtain” section of this manual for information on obtaining a factory password.

6. Select the “Machine Security System Uninstall” option from the “Service” menu. This selection will cause the Cat ® ET to display the message that is shown in Illustration 54 .

PROOF

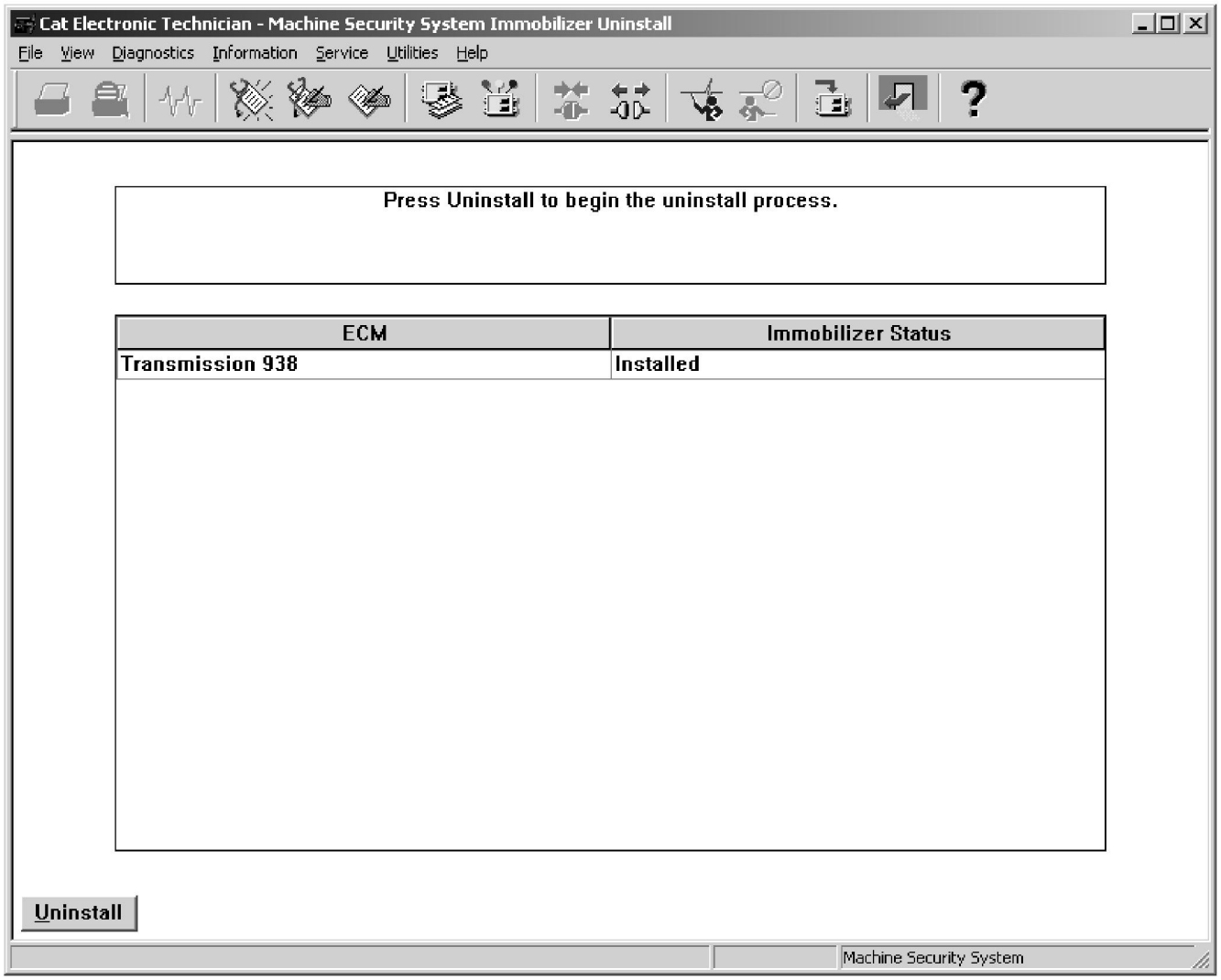

Illustration 54 g01097964

Machine Security System Uninstall screen

7. Click on the “Uninstall” button that is located at the lower left-hand corner of the “Machine Security System Uninstall” screen. This button will cause the ET to display the “ Factory Password Screen” that is shown in Illustration 55 .

Note: A factory password is required to perform the “Machine Security System Uninstall” . A master electronic key will not allow you to uninstall the Machine Security System. Refer to the Testing and Adjusting, “Factory Password - Obtain” section of this manual for information on obtaining a factory password.

Illustration 55 g03866606

Factory Password screen

8. The factory passwords are provided by the Factory Password System. Enter the factory passwords in the dialog boxes that are provided on the “Enter Factory Password” screen. Once the ET accepts the passwords, the screen shown in Illustration 56 will be displayed.

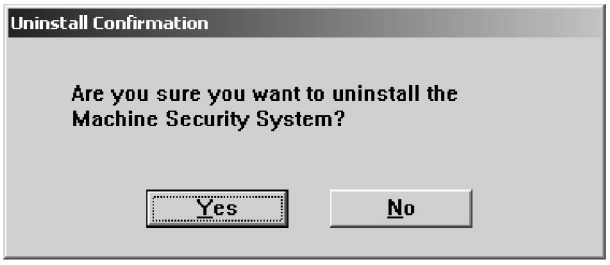

Illustration 56 g01097989

Uninstall Confirmation screen

9. Press the “Yes” button if you want to proceed with the “uninstall” of the Machine Security System. This button will cause the ET to display the message that is shown in Illustration 57 .

Note: Pressing the “No” button aborts the “uninstall” of the Machine Security System.

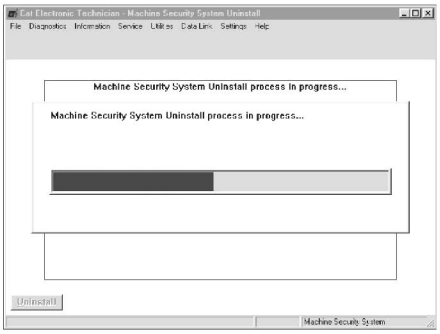

Illustration 57 g00831242

Process in Progress screen

Note: Once the Machine Security System has been successfully uninstalled, the ET will display the message that is shown in Illustration 58 .

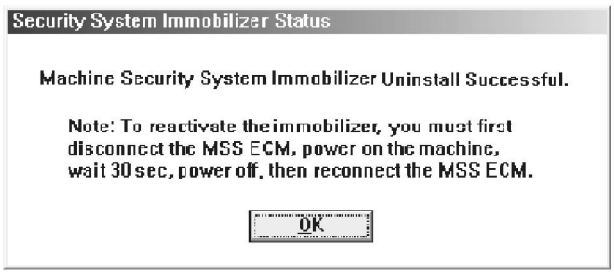

Illustration 58 g00916867
Uninstall Successful screen

10. Press the “OK” button in order to return to the “Machine Security System Uninstall” screen.

Note: If the Machine Security System has not been successfully uninstalled, the ET will display the message that is shown in Illustration 59 .

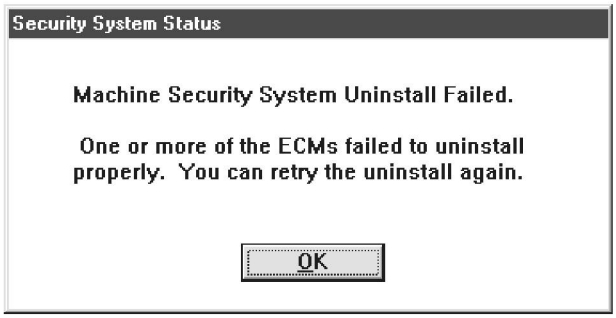

Illustration 59 g00921613
Uninstall Failed screen

11. Press the “OK” button in order to return to the “Machine Security System Uninstall” screen. The “Uninstall” button that is located on the “Machine Security System Uninstall” screen will be labeled “Retry” . Press the “Retry” button in order to restart the uninstall.

12. Turn the key switch to the OFF position.

13. Remove the MSS3s ECM from the machine.

Note: If the MSS3s ECM is configured to control other devices, (start relay and/or main power relay), those devices must be reconnected in accordance with the machine Electrical Schematic.

i06229289

Glossary of Terms

SMCS Code: 7631

Armed – The state of the security system when the machine is disabled.

Disarmed – The state of the security system when the machine is able to operate normally.

Electronic Control Module – The portion of the MSS that contains the microprocessor and memory

EID – Event Identifier

Exciter Coil – The exciter coil is a small coil of fine wire. The wire is molded into the bezel of a keyswitch with harness wiring. The exciter coil provides a path of communication. The electronic key and the electronic control module communicate via radio frequency.

Immobilizer – The MSS Immobilizer is a feature within another ECM (engine and/or transmission) that restricts the operation of the machine until the Machine Security System disarms.

Master Access Level – Keys that are programmed for this level of access permit the operation of the machine and the key allows the user to add new keys. Also, keys that are already programmed can be modified.

MSS – Machine Security System

PID – A parameter identifier is used to identify specific parameters that are used by the MSS.

Product ID – The Product ID is an 8 digit alphanumeric number that identifies the machine.

Programming – Programming refers to the process of storing information in the memory of the control module.

Standard Access Level – Keys that are programmed for this level of access permit the operation of the machine.

Tattletale – The tattletale is a counter in the ECM that is used as part of the calculation for the factory password. The tattletale is incremented after a factory password is used. The affected parameter will have an increase in the specific parameter of the tattletale and the total tattletale will reflect the increase as well. Once you use the factory password, the factory password will no longer be valid. Another password will be required for changes on the same ECM at a later date.

i06227306

System Schematic

SMCS Code: 7566

Refer to the corresponding schematic of the machine or Special Instruction.

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