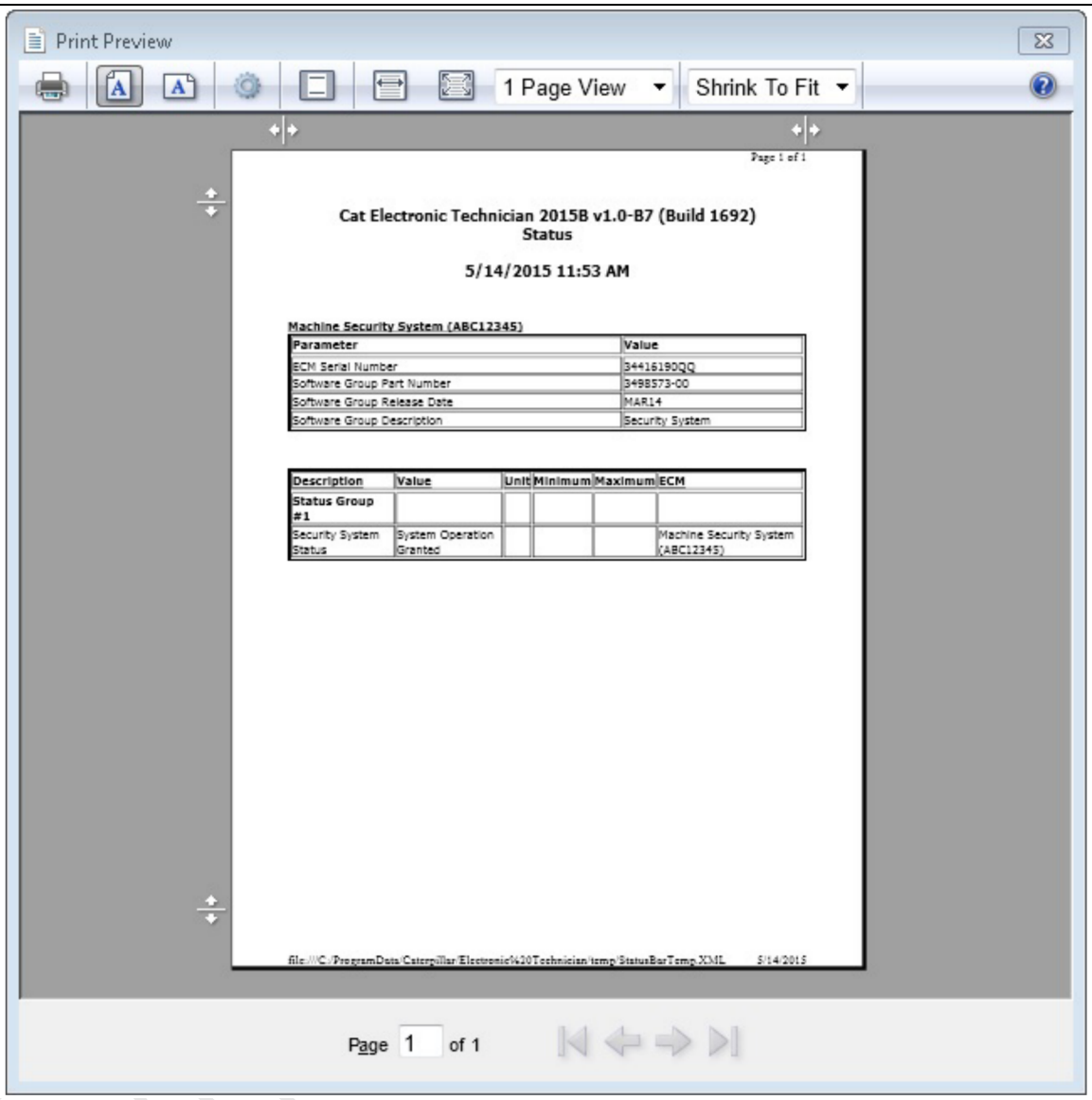

Illustration 30 g03866154

Typical ET screen for Security Management

2. Press the “Print Preview” icon in the menu bar and then press “OK” . The “Print Preview Screen” is displayed. Choose the appropriate push button to aid in viewing the document. “Print” prints the report to the printer. “Next Page” views the next page of the report. “Next Page” is disabled if you are on the last page of the report. “Prev Page” views the previous page of the report. “Prev Page” is disabled if you are on the first page of the report. “Two Page” displays two pages of the report. “Zoom In” magnifies the text. “Zoom In” is disabled when the text is fully magnified. “Zoom Out” decreases the size of the text. “Zoom Out” is disabled when the text is at normal size. “Close” will exit the preview.

“Fleet/Key Configuration”

The “Fleet/Key Configuration” function allows you to configure and manage a Machine Security System (MSS) enabled machine or set of machines easily. The function allows you to program, load, and save a set of configuration parameters and key information. The information can be loaded from or programmed to the MSS. This information can also be saved to or loaded from a file.

Once a file is saved in “Fleet/Key Configuration” , File Management can be used to export the file as a *. MSS file. The exported *.MSS file can then be imported into the MSS Key Management Software program, for management of the “Fleet/Key” information.

Loading Data from the ECM

1. Connect the service tool to the Machine Security System ECM that you want to copy.
2. Select “Copy Configuration” from the “Service” menu, and then select “Fleet/Key Configuration” from the submenu.

Note: Changing the “Fleet/Key Configuration” requires a key with master access level or a factory password.

3. If there is no recently loaded data available, the “No data is available...” message box will display.
4. Press “Yes” to load data from the ECM. The “ECM Selector” dialog box displays.

   Press “No” if you do not want to load data. The “Fleet/Key Configuration blank screen” displays.

Note: Pressing the “Load from ECM” push button from the “Fleet/Key Configuration” screen also displays the “ECM Selector” dialog box.

5. Highlight the Machine Security System ECM you wish to copy from and then press “OK” . As the data is loading from the ECM, the “Please wait” message displays. Then, the “Loading data from ECM” progress bar displays.
6. Press “Cancel” to exit the “ECM Selector” dialog box. Press “Help” to open online help for assistance.

   You can cancel the loading process at any time, by pressing the “Cancel” push button. The “Are you sure...” message box displays. Press “Yes” to cancel loading the data or press “No” not to cancel loading the data.
7. When the data has been successfully loaded, “The data has been successfully loaded” message box displays.
8. Press “OK” . The “Fleet/Key Configuration” screen displays with the “Program ECM” and the “Save to File” push buttons are enabled.

Note: The data must be saved to a file before you disconnect from the service tool or the data is lost.

Saving the Configuration to a File

1. Press the “Save to File” push button. The “Print New Document to File” dialog box displays.

Note: If you do not have a file open, the “Printing” dialog box asks you to open a file, create a new file, or cancel. Choose the appropriate button to continue.

PROOF

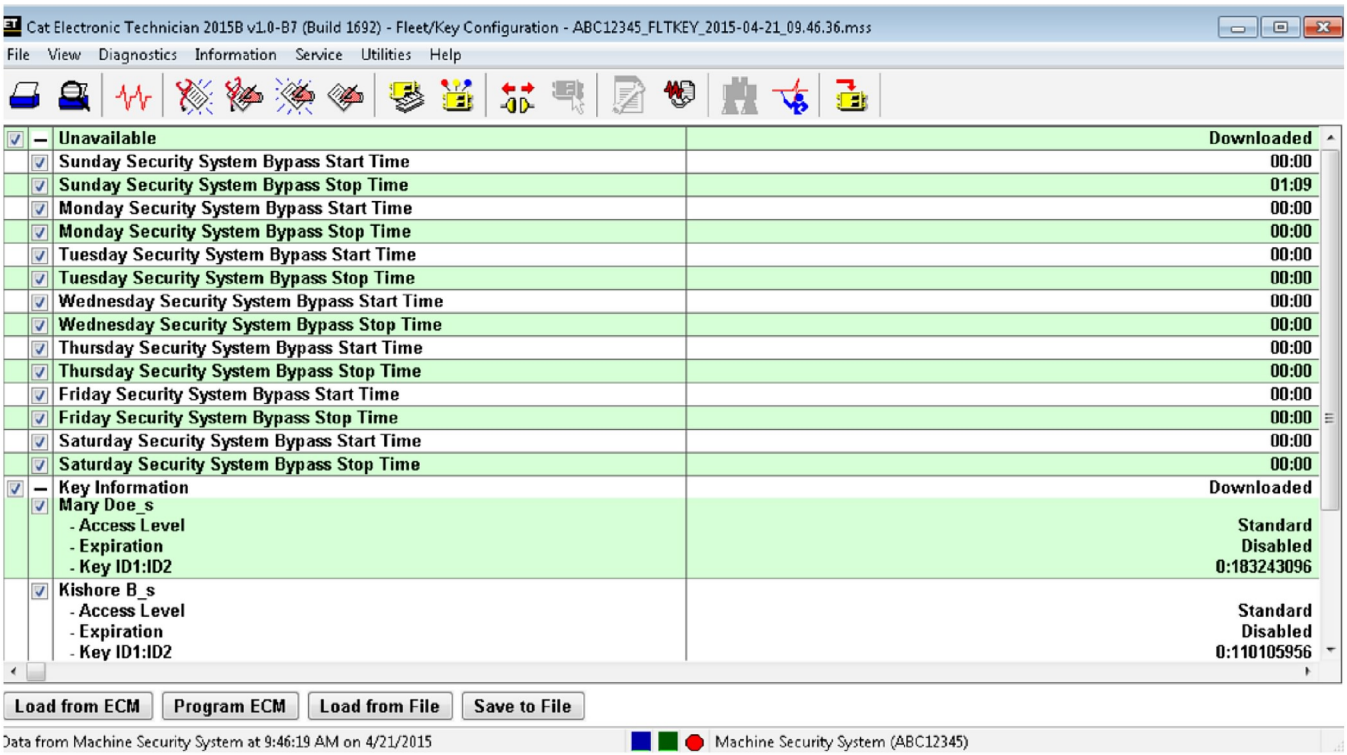

Illustration 31 g06105908

2. Enter a document name and description in the appropriate text boxes. Press the “OK” button. The “Fleet/Key Configuration saved successfully” message box displays. Press the “Cancel” push button to exit the “Print New Document To File” dialog box without saving the file. You will return to the “Fleet Configuration” dialog box.

3. Press “OK” to return to the “Fleet/Key Configuration” screen.

Loading Data from a File

1. Connect the service tool to the ECM to be programmed.

2. Select “Copy Configuration” from the “Service” menu, and then select “Fleet/Key Configuration” from the submenu.

   If there is no recently loaded data available, the “No data is available...” message box displays.

3. Press “No” that you do not want to load data from the ECM. The “Fleet/Key Configuration screen” displays.

4. Press the “Load from File” push button. The “File Management” dialog box displays.

5. If the “Load from File” push button is pressed with unsaved data on the “Fleet/Key Configuration” screen, a message box displays. This message box asks if you want to save the changes.

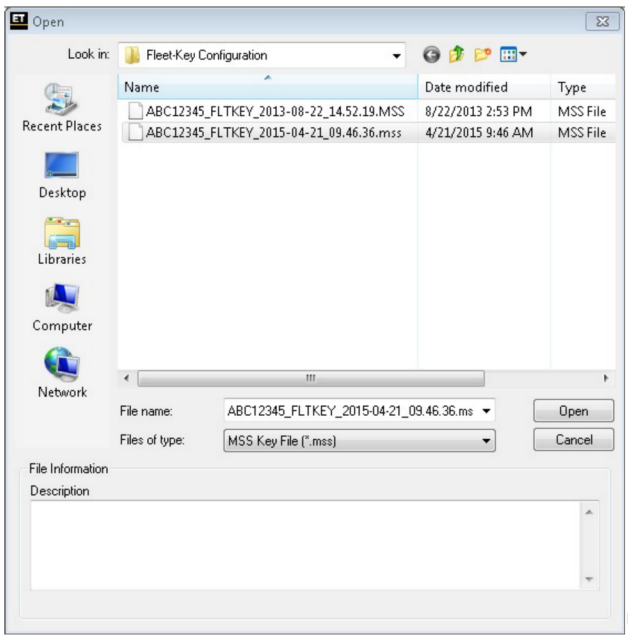

Illustration 32 g03866163

Save-As Screen

6. From the “File Management” dialog box, highlight the file from the “Files” list box. Then highlight the “Fleet/Key Configuration document” that you want to load from the “Documents” list box.

7. Open the document. As the data loads, a progress bar displays. Then, the “Fleet Configuration” message box displays.

8. Press “OK” . The “Fleet/Key Configuration” screen displays with the file data.

Programming the ECM

Note: The data must be loaded from a file before you can program an ECM.

Note: Keys that are already programmed into the ECM can be unchecked from the “Fleet/Key Configuration” screen. This unchecking of a programmed key is only a time saving measure. If you do not uncheck the keys, the “Program ECM” message box displays. This message box lists all keys that were not programmed because the keys were already stored.

1. Press the “Program ECM” push button. The “ECM Selector” dialog box displays.

PROOF

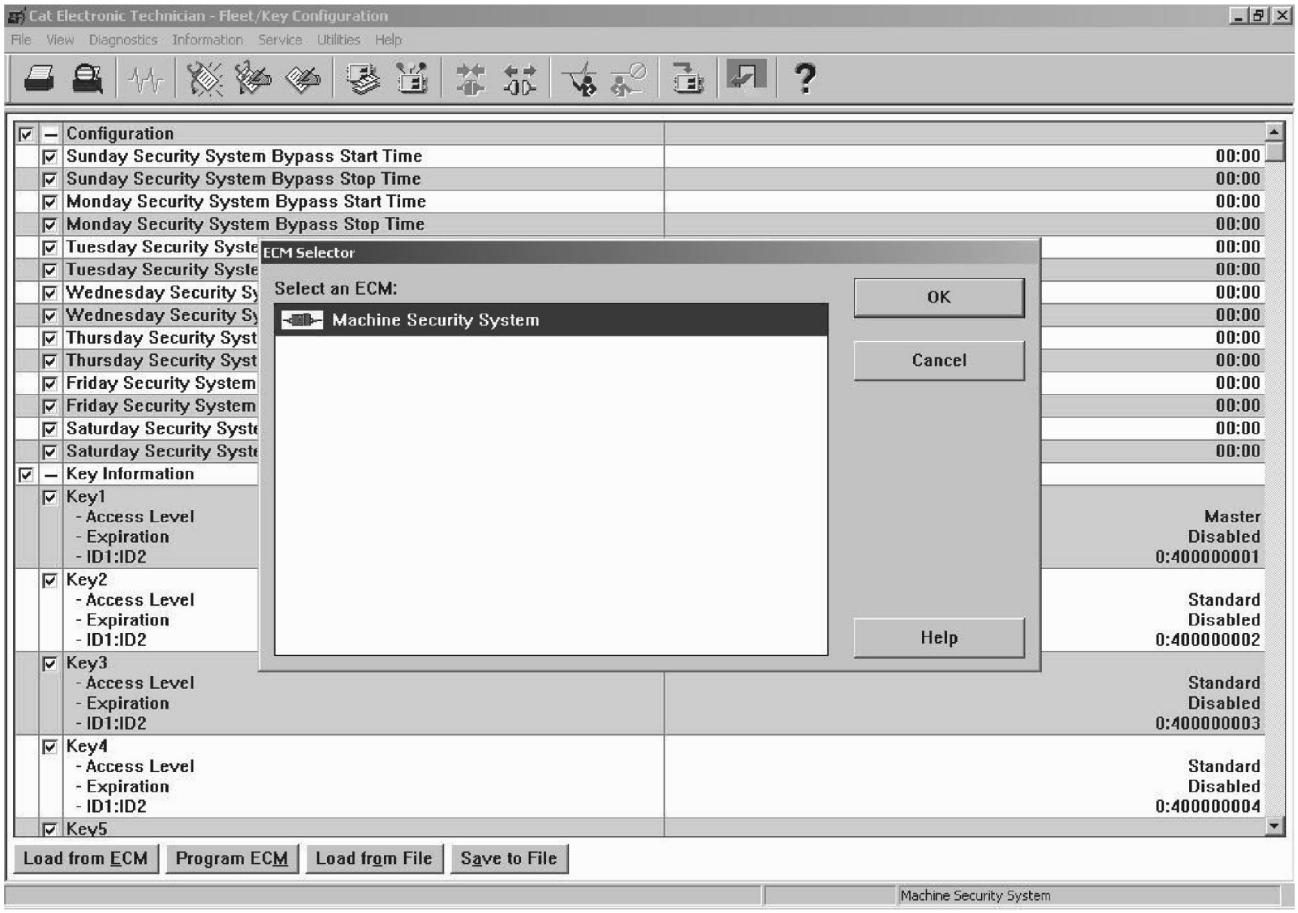

Illustration 33 g01101974

ECM Screen

2. Highlight an ECM and press “OK” The “Please wait” message box displays. Then the “Testing ECM” progress bar displays.

Note: You can cancel the uploading process at any time, by pressing the “Cancel” push button. The “Are you sure...” message box displays. Press “Yes” to cancel uploading the data or “No” not to cancel.

Refer to the following procedures when you “Append” or “Replace” the key list. Refer to the “Append” section to append the list. Refer to the “Replace” section to replace the list.

Append

1. Connect the service tool to the ECM to be programmed.

2. Start the Caterpillar Electronic Technician (ET)

Note: This procedure requires Caterpillar Electronic Technician (ET) version 2004 SP1 or later.

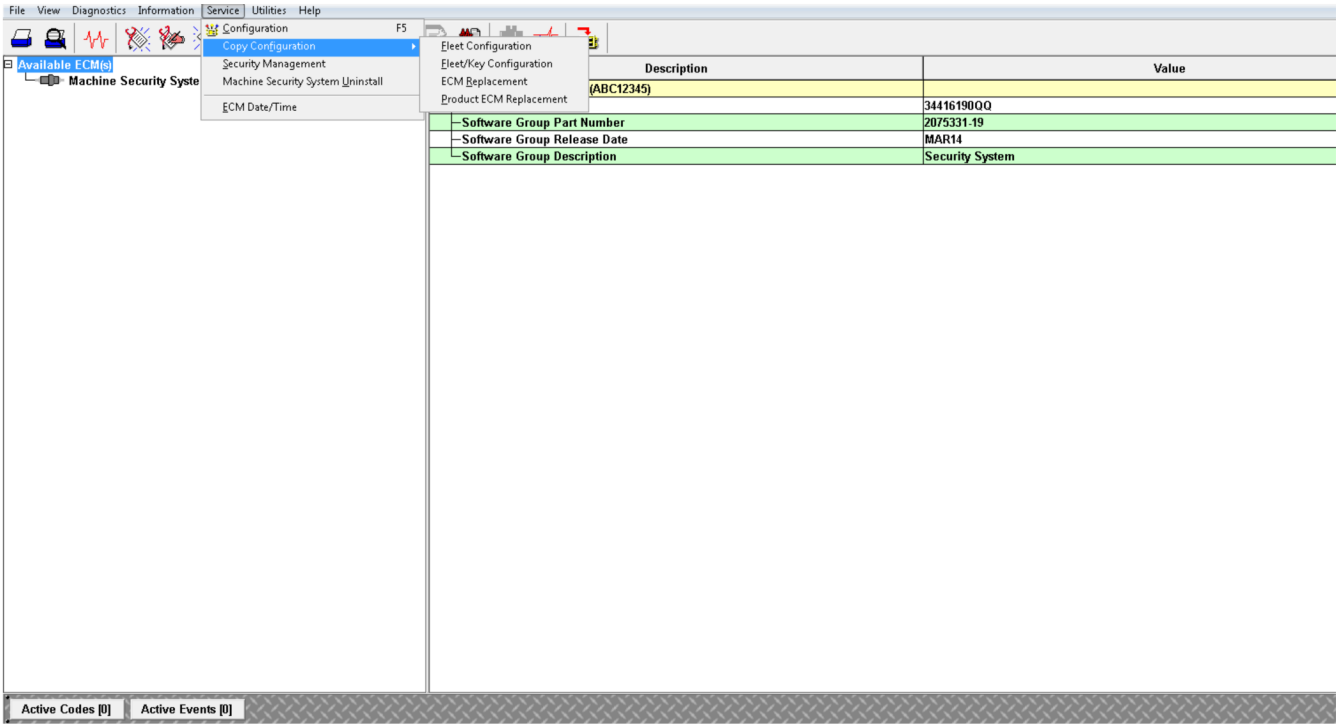

Illustration 34 g03866178

Copy Configuration, Service Menu, Fleet/Key Configuration

3. Select “Copy Configuration” from the “Service” menu, and then select “Fleet/Key Configuration” from the submenu.

4. Open the document. As the data loads, a progress bar displays. Then, the “Fleet Configuration” message box displays.

5. Press “OK” . The “Fleet/Key Configuration” screen displays with the file data.

6. Click on the “Program ECM” button. This button displays the Fleet key information box.

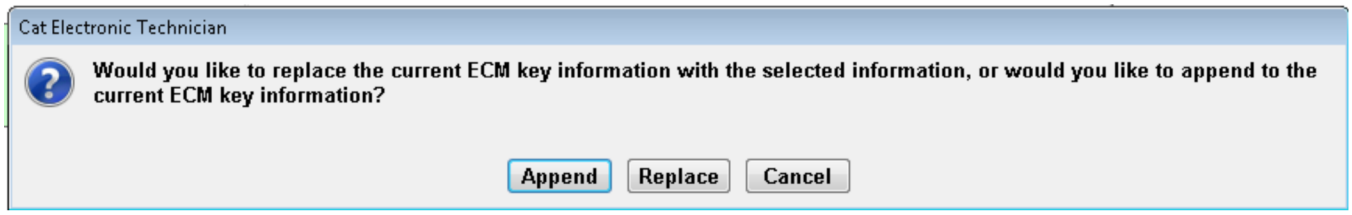

Illustration 35 g03866182

Append

7. Click on the “Append” button.

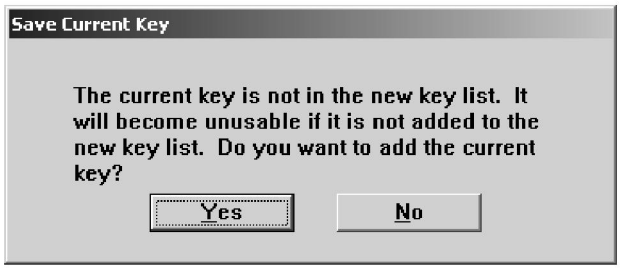

Illustration 36 g01097413

8. Click on the “Yes” button if you are prompted. When the data has been successfully uploaded, the “Programming complete.” message box displays. Press “OK”

Note: MSS can store a maximum number of 255 keys at one time. “Fleet/Key Configuration” determines the number of keys slots not programmed on the MSS. You cannot program more keys than the maximum number allowed. A message box displays informing you of the number of key slots available or that there are no more key slots available. Remove enough keys in order to add the new key information.

STOP.

Replace

1. Connect the service tool to the ECM to be programmed.

Note: This procedure requires Caterpillar Electronic Technician (ET) version 2004A SP1 or later.

2. Start the Caterpillar Electronic Technician (ET)

PROOF

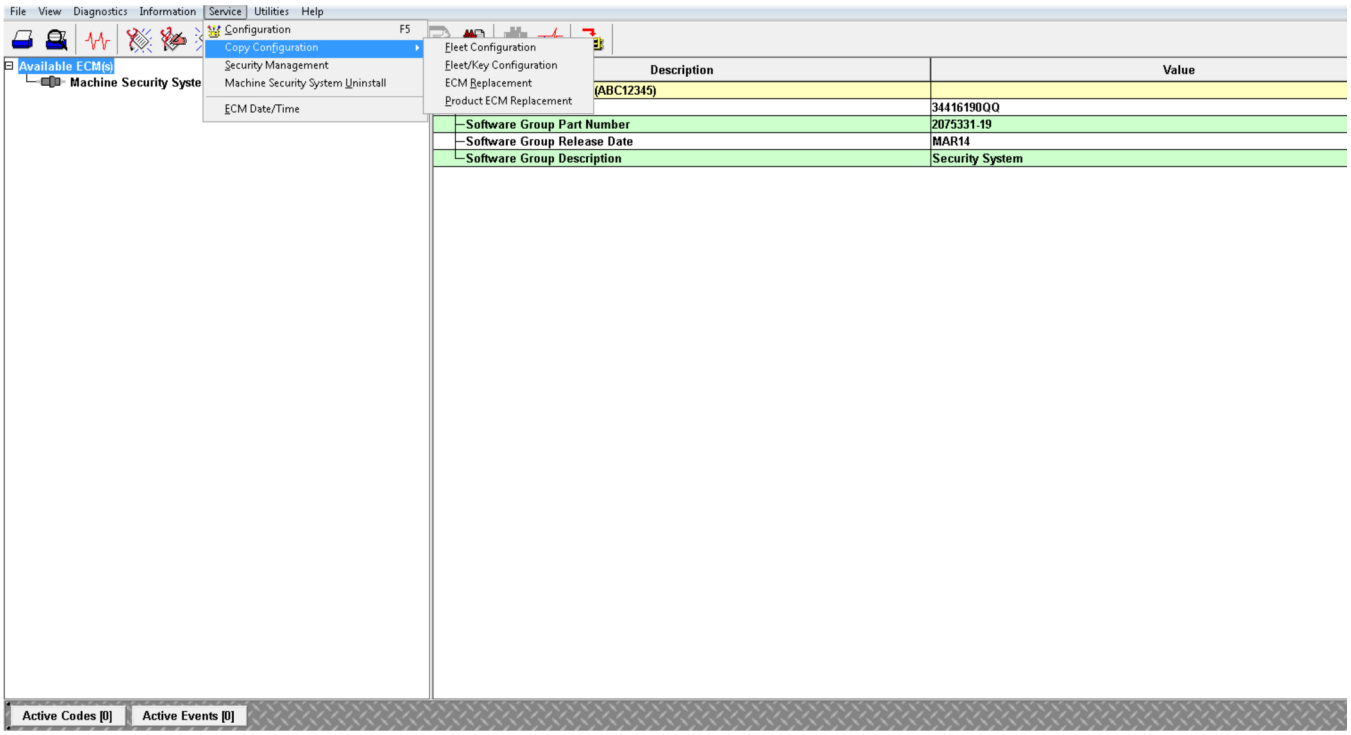

Illustration 37 g03866183

Copy Configuration, Service Menu

3. Select “Copy Configuration” from the “Service” menu, and then select “Fleet/Key Configuration” from the submenu.

4. From the “File Management” dialog box, highlight the file from the “Files” list box. Then highlight the “Fleet/Key Configuration document” that you want to load from the “Documents” list box.

5. Open the document. As the data loads, a progress bar displays. Then, the “Fleet Configuration” message box displays.

6. Press “OK” . The “Fleet/Key Configuration” screen displays with the file data.

7. Click on the “Program ECM” button. The Fleet

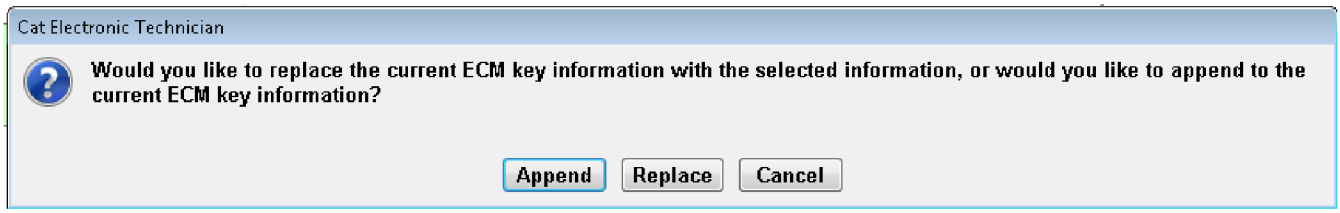

Illustration 38 g03866190

Replace

8. Click on the “Replace” button.

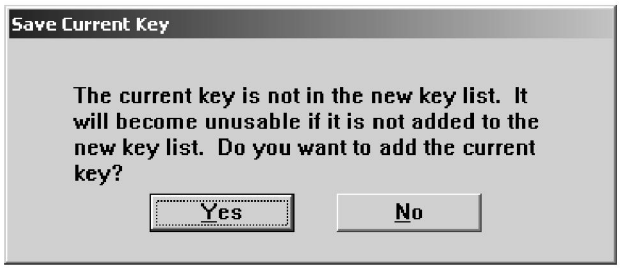

Illustration 39 g01097413

9. Click on the “No” button if you are prompted. When the data has been successfully uploaded, the “Programming complete.” message box displays. Press “OK”

Note: MSS can store a maximum number of 255 keys at one time. “Fleet/Key Configuration” determines the number of keys slots not programmed on the MSS. You cannot program more keys than the maximum number allowed. A message box displays informing you of the number of key slots available or that there are no more key slots available. Remove enough keys in order to add the new key information.

STOP.

i06227236

System Disarm - Program
(Security System Bypass)

SMCS Code: 7631-591

Use the following procedure to change the Activation Periods of the Security System Bypass:

Note: Changing the MSS Bypass times requires you to use a key with master access level or a factory password.

1. Insert a key with Master Access Level in the key start switch and turn to the ON position.

2. Select “Service/Configuration” from the tool bar of the Cat ® ET. This selection will bring up the Configuration screen.

PROOF

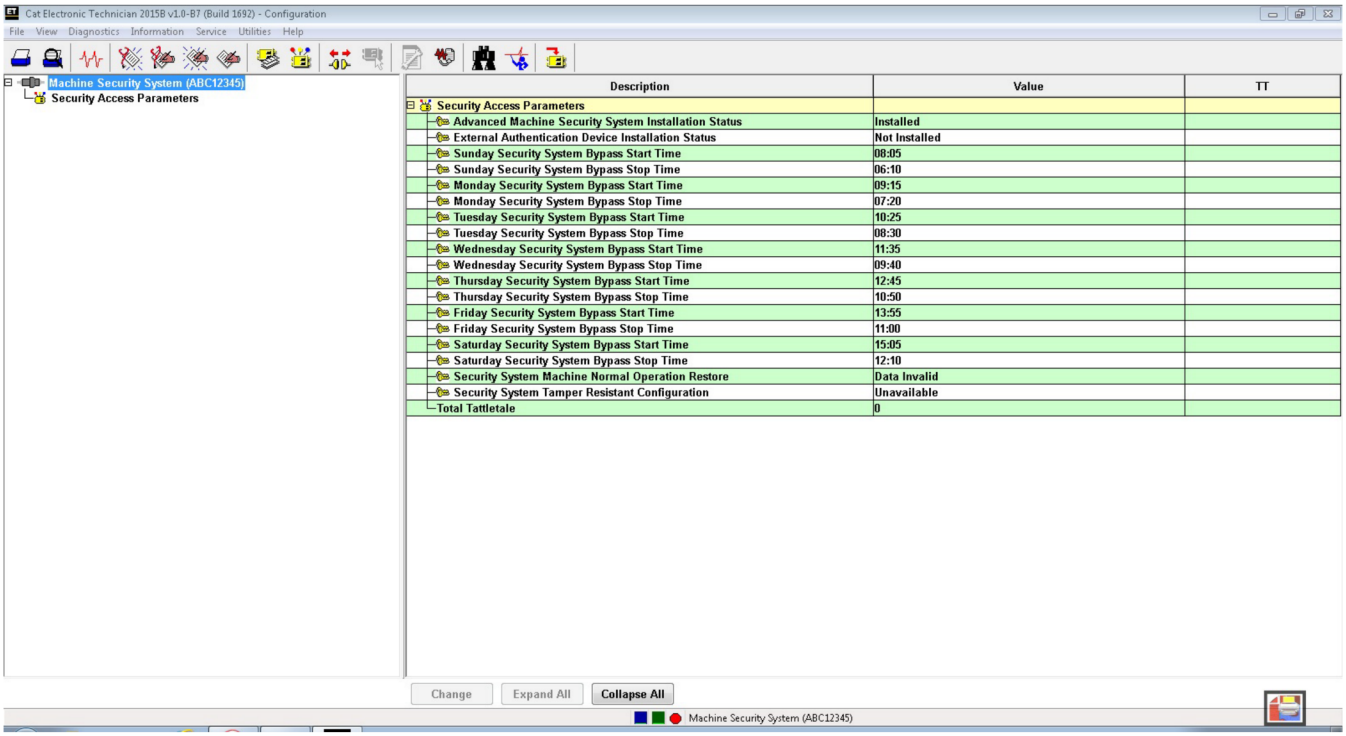

Illustration 40 g03866205

Typical ET screen

3. Highlight the “Security System Bypass Start Time” for the day that you want to set up. Press the “Change” push button at the bottom of the page. This button will bring up the “Change Parameter Value” screen.

4. Enter the desired “start time” in the space that is provided. Then click the “OK” button.

   All times are based on a 24 hour clock. If you want the desired start time to be 6:00 am, then enter 06:00. If you want the desired start time to be 6:00 pm, then enter 18:00. Include the colon in the time setting or the MSS will not accept your entry.

5. Highlight the “Security System Bypass Stop Time” for the same day. Press the “Change” push button at the bottom of the page. This button will bring up the “Change Parameter Value” screen. Enter the desired “stop time” in the space that is provided and click the “OK” button.

6. Repeat Steps 3 and 5 for all days which should have Bypass Activation Times.

7. To have the MSS armed 24 hours a day, repeat Steps 3 and 5 entering 00:00 as the “Start time” and 00:00 as the “Stop time” .

Note: All times are based on a 24 hour clock. The Machine Security System automatically adjusts for Daylight Savings Time (DLST). If Daylight Savings Time is not observed in your area, you will need to reset the time in the MSS. The time change occurs on the first Sunday in April and the last Sunday in October. If DLST changes on a different date in your area than in the United States, you will need to reset the time on that day. Refer to Testing and Adjusting, “Time - Set” for instructions on setting the date and the time of the MSS.

i06227251

Factory Password - Obtain

SMCS Code: 7631-554-XW

You may use the following methods to obtain a factory password. The first method is via the Factory Password System (FPS) via the Internet. The second method is via the telephone help line. The procedures for both methods are listed in the following sections.

Internet

1. The Factory Password System (FPS) is a secure web site and a password is required. Proceed to step 1.a if you do not have a “Login ID” and a “Password” . Proceed to step 2 if you already have a “Login ID” and a “Password” .

a. Refer to the “Telephone Help Line” section or see your Caterpillar dealer in order to obtain the factory password.

2. Open your web browser. Enter the address for the Factory Password System (FPS) (“http://fps.cat.com”) in the address bar of the web browser.

Upon accessing FPS, the “Corporate Web Security” web site will appear.

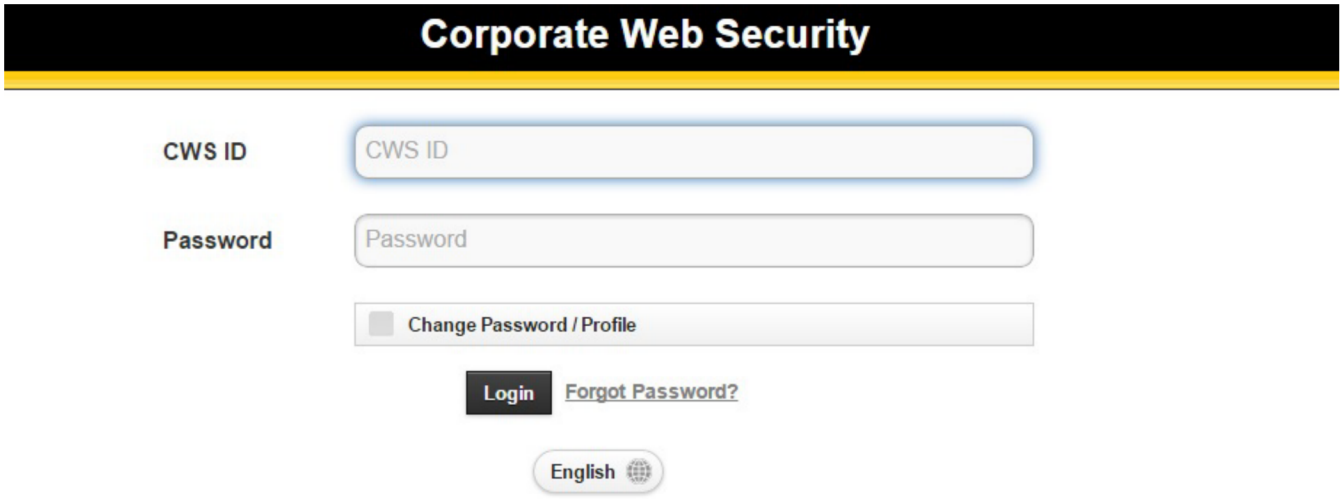

Illustration 41 g03866210
Corporate web Security screen

3. Enter your “Login ID” and “Password” into the “Corporate Web Security” site. Refer to Illustration 41 .