



SER18-016
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SUBJECT: Advance™ Software U05.15.00 & V05.15.00

U05.15.00 and V05.15.00 versions of microprocessor software are now available for all Advance Microprocessor Trailer & Rail units. With the release of this bulletin, U05.15.00 and V05.15.00 will also be available on TransCentral.

There are two versions available. The versions are divided into the "U" version specifically for Ultra / Ultima / NDL models, and the "V" version specifically for the Vector models.

The U05.15.00 version is approved for use in all Ultra (NDA), Ultima (NDX), and X-Series (NDL) models including models with the Intelligent Damper System.

The V05.15.00 version is approved for use in all Vector™ 1800MT, 5100, 6500, and 6600MT models.

IMPORTANT SOFTWARE INSTALLATION INFORMATION:

ONCE ANY 05.xx.xx VERSION IS INSTALLED INTO AN ADVANCE CONTROLLER, IT WILL NO LONGER BE POSSIBLE TO LOAD ANY VERSIONS OF 04.xx.xx or earlier versions of SOFTWARE INTO THAT MICROPROCESSOR. Future version releases may be loaded as they are released.

U05.15.00.bex or V05.15.00.bex software can be installed using a Program PC card. U05.15.00.bex and V05.15.00.bex are both available at no cost by visiting the Carrier Transicold TransCentral™ website. Existing Program PC cards may be upgraded to U05.15.00.bex or V05.15.00.bex using the TRU-Tech program.

NOTICE: The display and MessageCenter may behave differently during the software loading process, depending on the version of software currently in the controller. DO NOT INTERRUPT THE SOFTWARE INSTALLATION PROCESS ONCE IT HAS STARTED.

When upgrading from 03.02.00 or higher to U05.15.00 or V05.15.00, all information for installing, and an update of the install process, will be displayed in the MessageCenter.

Truck/Trailer/Rail Service Engineering
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TD/TU

When upgrading from a version **prior to** 03.02.00 to U05.15.00 or V05.15.00, once the Program PC Card is inserted, and the “=” key pressed, the display will turn off, and the engine will stop (if it was running). NOW, after the software installation process has been underway for just a few seconds, the display will power up, and the MessageCenter will show INSTALLING PROGRAM SOFTWARE during the software install process. The Card Status LED adjacent to the PC Card slot will blink together with the Micro Status LED during the software installation process. Once the entire program has been loaded, the MessageCenter will show INSTALL COMPLETE – REMOVE CARD. At the same time, the Card Status LED will stop blinking and be on solid, indicating that the software install is complete.

NOTE FOR NDL, NDP and NEP MODELS: *Once the unit shuts down to begin the software install process, the Suction Modulation Valve closing process begins. **The software installation processes will not begin until the SMV is completely closed, which will delay the actual software install process (the Microprocessor Status and Card Status LEDs blink together every 0.5 seconds) for about 45 seconds.***

Additional information regarding changes featured in this new software release is detailed below.

NOTICE: Whenever loading software into an Advance controller, it is always wise to verify that the new version is actually installed by going to the Data List, and reading the installed software version at the MessageCenter.

NOTICE: Carrier Transicold transport refrigeration units (TRUs) are designed to maintain the temperature of the product at the temperature at which it was loaded; Carrier Transicold TRUs are not designed to cool warm product.

05.15.00 Technical Information

New information for all Advance controlled units

- Required for operating an L-EES on Advance controlled units
- With this software, the DataTrak option is no longer required when installing an eSolutions system.

New information for ETT models with Advance Controller (1800MT / 1550)

- Alarms A128 (Low/Unbalanced A/C Amps) and a combination of alarm A41 (Engine Stall) and alarm A100 (Overload/Ground Fault) will now be mandatory “Technician Reset”.
 - ◆ If alarm A128 occurs twice within two hours of engine run time, the A21 (Technician Reset) will be active.
 - ◆ If consecutive alarms between A41 and A100 occur within two hours of engine run time, the A21 (Technician Reset) will activate.