

DATA FLASH USING MEMORY CHIP

AVXC20, AVZC20, DX20VC & DZ20VC

INSTRUCTIONS

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ATTENTION INSTALLING PERSONNEL

As a professional installer you have an obligation to know the product better than the customer. This includes all safety precautions and related items.

Prior to actual installation, thoroughly familiarize yourself with this Instruction Manual. Pay special attention to all safety warnings. Often during installation or repair it is possible to place yourself in a position which is more hazardous than when the unit is in operation.

Remember, it is **your** responsibility to install the product safely and to know it well enough to be able to instruct a customer in its safe use.

Safety is a matter of common sense...a matter of thinking before acting. Most dealers have a list of specific good safety practices...follow them.

The precautions listed in this Installation Manual are intended as supplemental to existing practices. However, if there is a direct conflict between existing practices and the content of this manual, the precautions listed here take precedence.

WARNING

DISCHARGE YOUR BODY'S STATIC ELECTRICITY BEFORE TOUCHING SHARED MEMORY CHIPS AND/OR UNIT. AN ELECTROSTATIC DISCHARGE CAN ADVERSELY AFFECT ELECTRICAL COMPONENTS. USE THE FOLLOWING PRECAUTIONS DURING INSTALLATION AND SERVICING TO PROTECT THE INTEGRATED CONTROL MODULE FROM DAMAGE:

1. DISCONNECT ALL POWER TO THE UNIT. DO NOT TOUCH THE INTEGRATED CONTROL MODULE OR ANY WIRE CONNECTED TO THE CONTROL PRIOR TO DISCHARGING YOUR BODY'S ELECTROSTATIC CHARGE TO GROUND.
2. FIRMLY TOUCH A CLEAN, UNPAINTED, METAL SURFACE OF THE UNIT AWAY FROM THE CONTROL.

BY PUTTING THE UNIT, THE CONTROL, AND THE PERSON AT THE SAME ELECTROSTATIC POTENTIAL, THESE STEPS WILL HELP AVOID EXPOSING THE INTEGRATED CONTROL MODULE TO ELECTROSTATIC DISCHARGE.

WARNING

ONLY PERSONNEL THAT HAVE BEEN TRAINED TO INSTALL, ADJUST, SERVICE OR REPAIR (HEREINAFTER, "SERVICE") THE EQUIPMENT SPECIFIED IN THIS MANUAL SHOULD SERVICE THE EQUIPMENT. THE MANUFACTURER WILL NOT BE RESPONSIBLE FOR ANY INJURY OR PROPERTY DAMAGE ARISING FROM IMPROPER SERVICE OR SERVICE PROCEDURES. IF YOU SERVICE THIS UNIT, YOU ASSUME RESPONSIBILITY FOR ANY INJURY OR PROPERTY DAMAGE WHICH MAY RESULT. IN ADDITION, IN JURISDICTIONS THAT REQUIRE ONE OR MORE LICENSES TO SERVICE THE EQUIPMENT SPECIFIED IN THIS MANUAL, ONLY LICENSED PERSONNEL SHOULD SERVICE THE EQUIPMENT. IMPROPER INSTALLATION, ADJUSTMENT, SERVICING OR REPAIR OF THE EQUIPMENT SPECIFIED IN THIS MANUAL, OR ATTEMPTING TO INSTALL, ADJUST, SERVICE OR REPAIR THE EQUIPMENT SPECIFIED IN THIS MANUAL WITHOUT PROPER TRAINING MAY RESULT IN PRODUCT DAMAGE, PROPERTY DAMAGE, PERSONAL INJURY OR DEATH.

WARNING

DO NOT CONNECT TO OR USE ANY DEVICE THAT IS NOT DESIGNED CERTIFIED BY THE MANUFACTURER FOR USE WITH THIS UNIT. SERIOUS PROPERTY DAMAGE, PERSONAL INJURY, REDUCED UNIT PERFORMANCE AND/OR HAZARDOUS CONDITIONS MAY RESULT FROM THE USE OF SUCH NON-APPROVED DEVICES.

WARNING

HIGH VOLTAGE!

DISCONNECT ALL POWER BEFORE SERVICING.
MULTIPLE POWER SOURCES MAY BE PRESENT. FAILURE TO DO SO MAY CAUSE PROPERTY DAMAGE, PERSONAL INJURY OR DEATH.



Amana Model	Daikin Model	PCB	Shared Data Chip Part #
AVXC200241**	DX20VC0241**	3P357336-4SA	0130M00332S
AVXC200361**	DX20VC0361**	3P357336-5SA	0130M00333S
AVXC200481**	DX20VC0481**	3P357343-4SA	0130M00334S
AVXC200601**	DX20VC0601**	2P361563-3SA	0130M00335S
AVZC200241**	DZ20VC0241**	3P357336-4SA	0130M00336S
AVZC200361**	DZ20VC0361**	3P357343-4SA	0130M00337S
AVZC200481**	DZ20VC0481**	3P357343-4SA	0130M00338S
AVZC200601**	DZ20VC0601**	2P361563-3SA	0130M00339S

NOTE: All figures shown in this manual are for reference only.

STEPS TO FLASH SHARED DATA TO OUTDOOR UNIT USING MEMORY CHIP

1. Turn the power OFF to the Outdoor unit.
2. Disconnect the Climate Talk (CT) connector and RAM Monitor connector from the Outdoor unit.
3. Insert the memory chip on the Outdoor unit.
4. Turn the power ON to the Outdoor unit.
5. Verify the HIP (red LED) flashes twice.
 - This step confirms that the data has been transferred from the memory chip to the Outdoor unit.
6. Remove the memory chip from the unit.
7. Turn the power OFF to the Outdoor unit.
8. Turn the power ON to the Outdoor unit.
9. Turn the power OFF to the Outdoor unit.
10. Connect the Climate Talk (CT) connector and RAM monitor connector to the Outdoor unit.
11. Turn the power ON to the Outdoor unit.
12. Continue the operation of the unit as desired.

NOTE: If there is an error E11 on the seven segment display of the Outdoor unit after Step 11, run the System Verification Test on the Outdoor unit using the thermostat menu.

AC - Menu > Air > Conditioner > System > Verification Test > ON

HP - Menu > Heat Pump > Equip Test > System Verification Test > ON

Control boards for the various 20 SEER OD units (2T, 3T, 4T & 5T) are different. Below are the names of the connectors for quick identification. See Figure 1 and Figure 2 for locations on Outdoor Control Board.

Connector	Description
Memory Chip	X52A (White - 12 Pin Connector)
RAM Monitor	X41A (Blue - 5 Pin Connector)
Climate Talk	X851A (Green - 9 Pin Connector)
Red LED	H1P

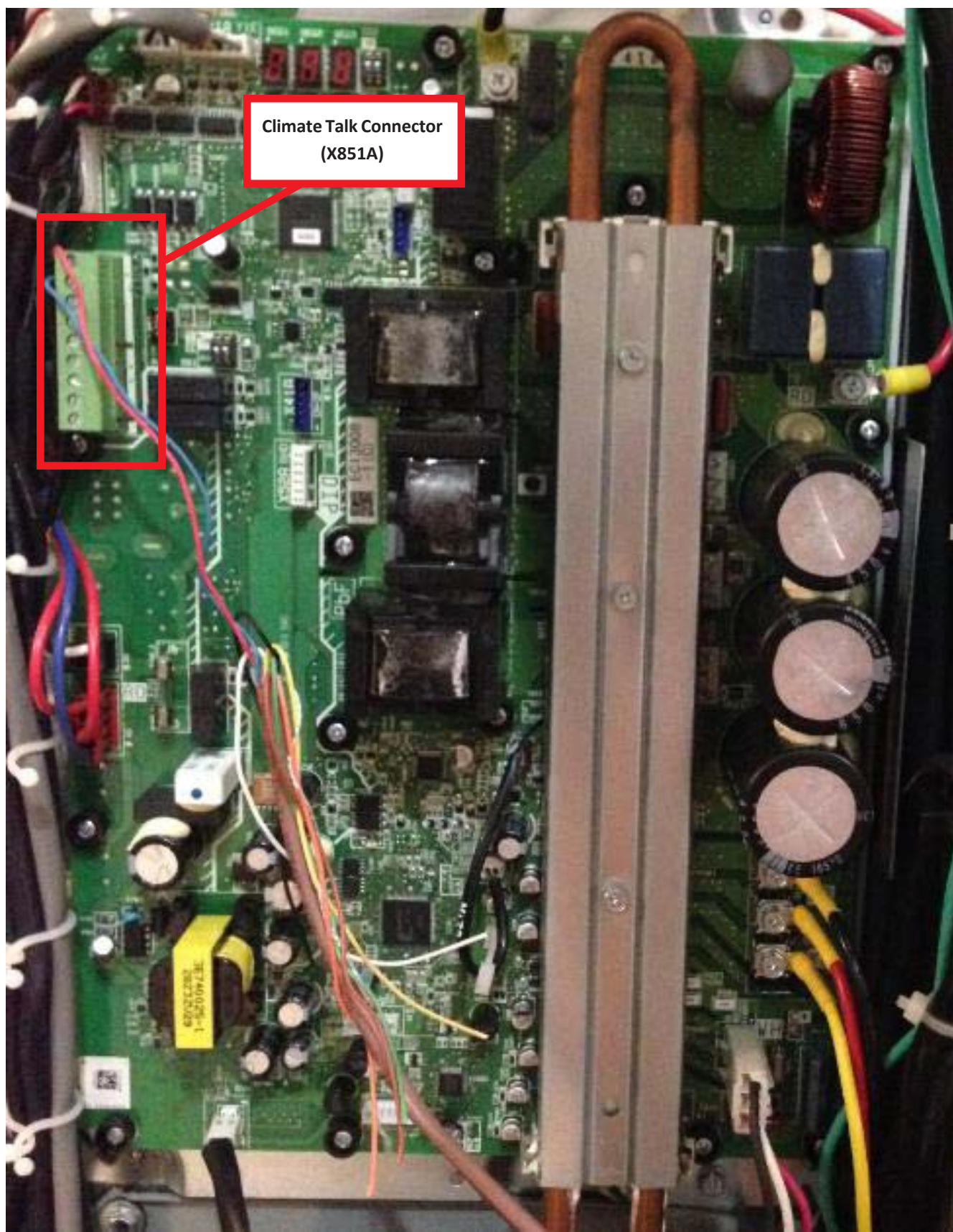


Figure 1
20 SEER Outdoor Control Board

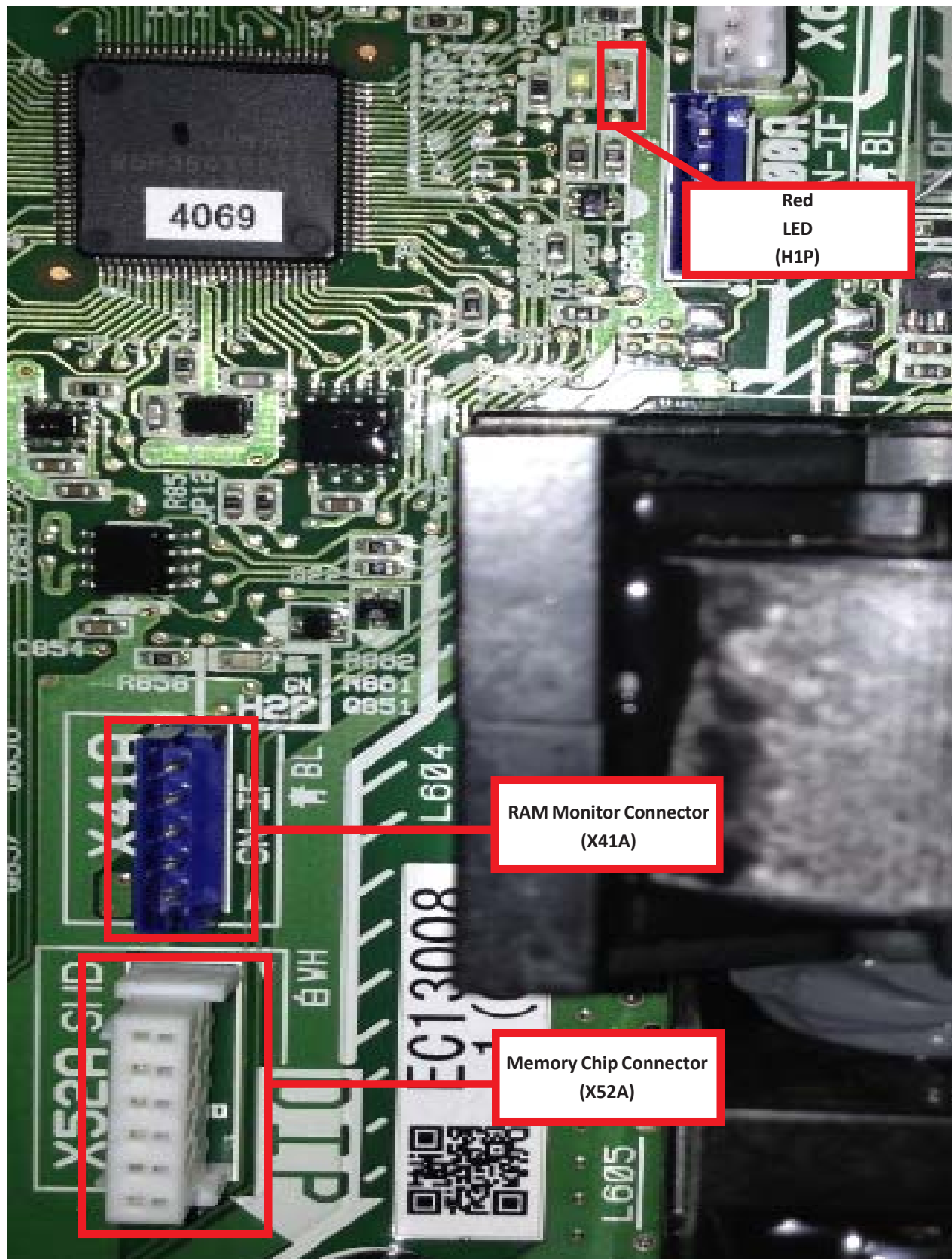


Figure 2
Zoomed in view of 20 SEER Outdoor Control Board