

4. Data Transfer

When the main board of a customer's cellular phone is required to be replaced with a new one, or the customer is needed to use a phone lent from the service center while his phone is serviced, this feature is used to transfer(copy) all the EEPROM data of the customer's phone into the new board or the lent phone to keep the information the customer had stored into his phone personally.

4-1 Equipment Required

- ¶ Data Transfer program
- ¶ IBM compatible PC
- ¶ SCH-470 Test Jig
- ¶ 3.6V Power Supply

4-2 Connection

Connect the test jig to COM1 port on the PC and connect the interface cable of the test jig to the phone.

Caution : When you use the Data Transfer program with a note book PC, you might encounter some problem. Check your serial port setup in your notebook PC (see your note book manual).

Don't worry about the serial port setup when you use a desktop PC.

4-3 Getting Started

1. Run the DTRANxx.EXE file. If you run the file for the first time, the message 'INITIAL FILE IS CREATED' appears. Do not delete the created file because the file creates DTRANxx.CFG to store environment setup data. The message does not appear once you have run the program.
2. Press any key to go to next procedure.

Function Keys

- F1 Reads EEPROM data from the customer's cellular phone.

- F3 Displays SAMSUNG logo. To reenter to program mode, press F3 key again.
- F5 Write the data of the customer's phone into the EEPROM on the new board.
- F8 Switches from Hands-free mode to Diagnostic Monitor mode to allow the data transfer. To check this mode from the cellular phone, press FCN, 9, 1 on the key board in sequence.

ALT+X Exits programming and returns to DOS mode.

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4-4 Operation Procedure

1. On standby mode, 'Please check the communication link between your PC and the phone prior to beginning ...' messages appear on the screen. You are ready to transfer data.
2. Switch the phone power on after you have run the program.
3. Press <F1> key to read EEPROM data from the customer's cellular phone. On screen, 'Change the mode of the phone from HANDS-FREE mode to DM mode' message appears. On the LCD display of the phone, 'AUTO TEST' and 'WRITE EEPROM' messages appear. If the phone is already in DM(Diagnostic Monitor) mode, the message does not appear.
4. After the mode is changed to DM, EEPROM data on the cellular phone is read by PC. You can monitor the reading procedure on the screen.
5. When the data reading is completed, 'Replace the source phone with the target phone and press <F5> when ready' message appears on the screen.
6. Press any key to clear the message. The cellular phone displays 'DELETED' and '300-300-3000' instead of greeting and phone number respectively. All the features of the phone including ESN are reset to default status, and the phone can not be operated.

7. Remove the phone from the test jig and connect the new phone to the test jig.

Caution: If you try to perform reading again without writing after reading is already done once, the error message 'READING FROM THE PHONE WAS ALREADY BEEN CARRIED OUT, WRITING SHOULD BE CARRIED OUT' appears on the screen.

8. Press <F5> key to perform writing EEPROM data. You can monitor the writing procedure on the screen.

9. When the data writing is completed, the phone will reset. The program returns to standby mode and is ready to read data from another phone. 'WELL DONE, DATA TRANSFER IS COMPLETED' appears on the screen.

10. Check if the transferred EEPROM data is the same.

4-5 If Error Occurs

Symptom	Solution
Program is running, but reading is not achieved.	<ul style="list-style-type: none"> ¶ Check if the serial port setup is properly made. ¶ Check if the test jig is connected correctly. The connection is made, by '1:1 PIN TO PIN' method (not NULL modem method). Only RX, TX signal grounds are connected. ¶ If you use DOS shell in Windows and COM1 is used by another DOS shell, exit the program.
You tried to copy EEPROM data into several units.	<ul style="list-style-type: none"> ¶ No way ! The test jig clears the information after writing is done. If you force to copy it into several units, the phone might not work properly.
You tried to write EEPROM data without reading the data first.	<ul style="list-style-type: none"> ¶ You cannot perform writing procedure unless reading is completed successfully. Error message appears on the screen.
For some reasons, data transfer is not completed without writing after reading the data.	<ul style="list-style-type: none"> ¶ If the program halts or is interrupted for some reasons, and you restart the program, 'WRITING IS BEING CARRIED OUT BY USING DATA NOT FINISHED' message appears on the screen. It means that the data you have read and not wrutten is restored and ready to write. If you have finished the program by pressing ALT key and X without writing after reading, the message 'WRITING IS NOT ACHIEVED, WILL CARRY OUT WRUTING FOR NEXT TIME' appears on the screen.
Reading is interrupted in the middle of the operation due to some problem with the phone.	<ul style="list-style-type: none"> ¶ You can clear the error message by pressing any key. Reading is cancelled. The EEPROM data on the phone is not cleared. You can restart to read the data.
Writing is interrupted in the middle of the operation due to some problem with the phone.	<ul style="list-style-type: none"> ¶ You can clear the error message by pressing any key. Writing is cancelled. You can restart writing from the beginning.