CD Digital Servo DSP

LC78615

HOST Flowchart

ON Semiconductor

Version 0.10 (2013.10.24)

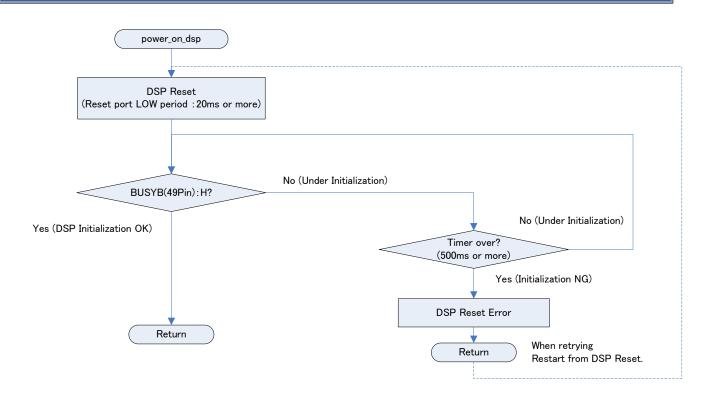
Update history V0.10 New release(For Commander V0.10)

LC78615 HOST FLOWCHART MAIN

main ucom_init(): Host u-Com Initialization Initialization power_on_dsp() : DSP Reset Send_Get_Firmware_Version() [50h] Read Sequencer Version Servo_init() Refer to "initial.c" / "Servo_init.h" Servo Parameter Initialization Sequencer_init() Sequencer Setting Initialization Driver Mute OFF Error Timer Initialization Send_Get_Current_Status()
Read Current Status 100ms interval CD_main() CD Control

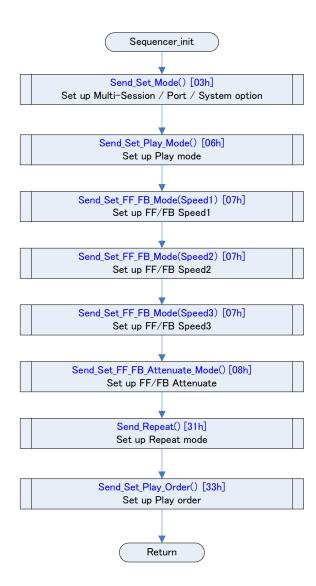
 $\mbox{\@normalfootnewedge}\xspace$ The function of a blue character is control commands of DSP. Check "LC78615 command specifications" and "Command_IF.c" in detail.

LC78615 HOST FLOWCHART POWER_ON_DSP

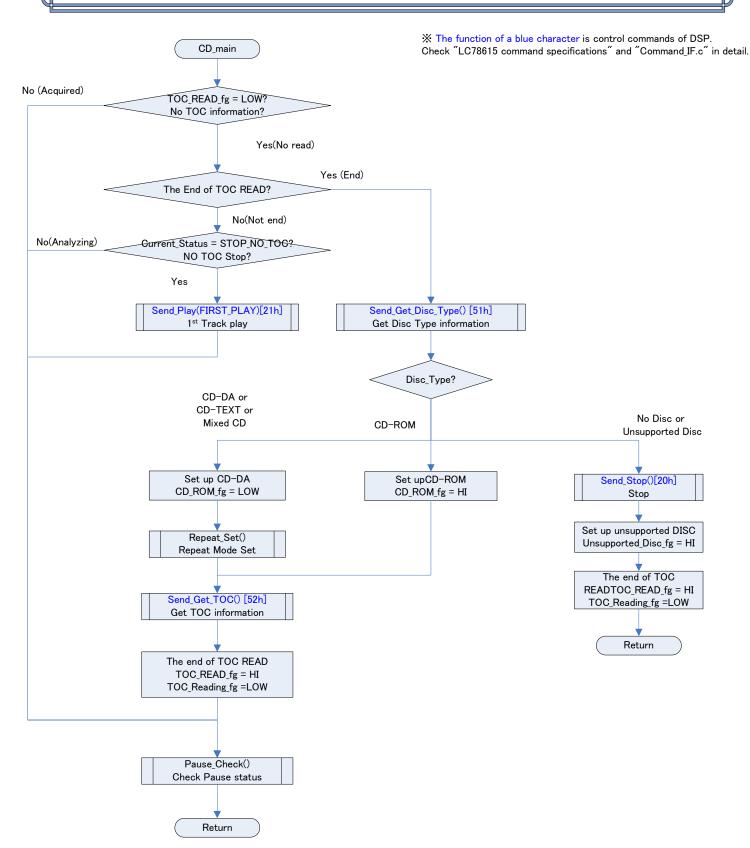


LC78615 HOST FLOWCHART SEQUENCER_INIT

X The function of a blue character is control commands of DSP.
Check "LC78615 command specifications" and "Command_IF.c" in detail.



LC78615 HOST FLOWCHART CD MAIN



LC78615 HOST FLOWCHART PAUSE_CHECK

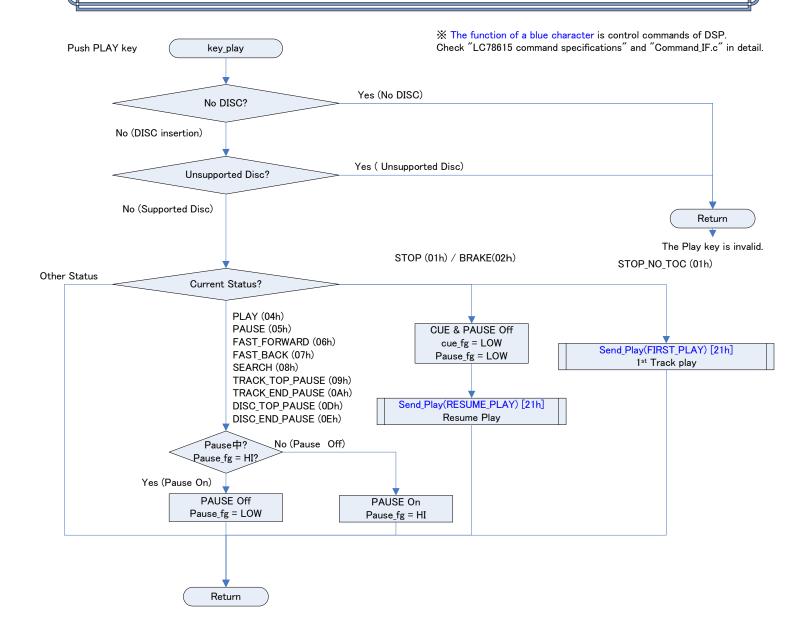
Check PAUSE Status

** The function of a blue character is control commands of DSP. Check "LC78615 command specifications" and "Command_IF.c" in detail.

When Pause Status of DSP and that of a microcomputer are not in agreement, make it in agreement. Pause_Check No (Pause Off) PAUSE Status? Pause_fg = HI? Yes (Pause ON) No (Pause Off) No Current Status = PLAY or SEARCH? Current Status = PAUSE? Yes (Play) Yes (Pause On) Send_Play(RESUME_PLAY) [21h] Send_Play(RESUME_PAUSE) [21h] Pause OFF Pause ON

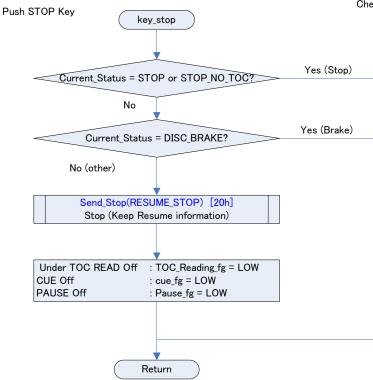
Return

LC78615 HOST FLOWCHART KEY_PLAY



LC78615 HOST FLOWCHART KEY_STOP

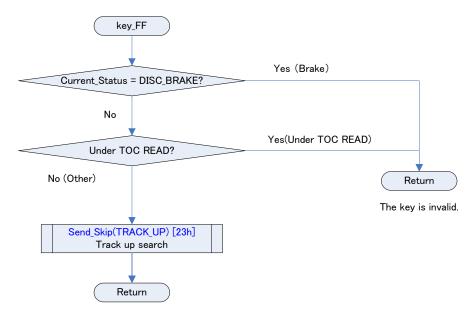
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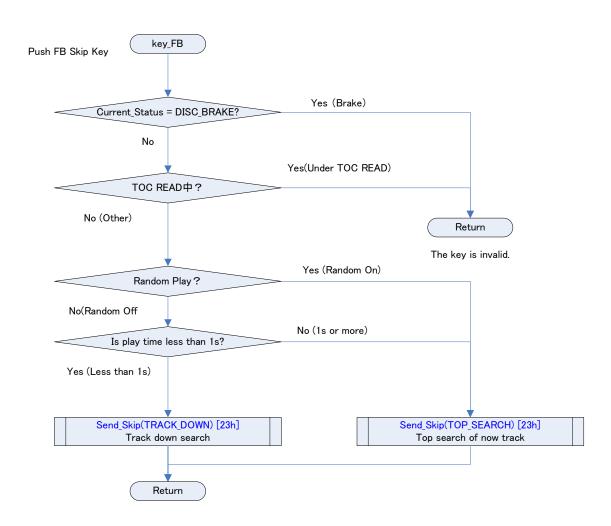


LC78615 HOST FLOWCHART KEY_FF / KEY_FB

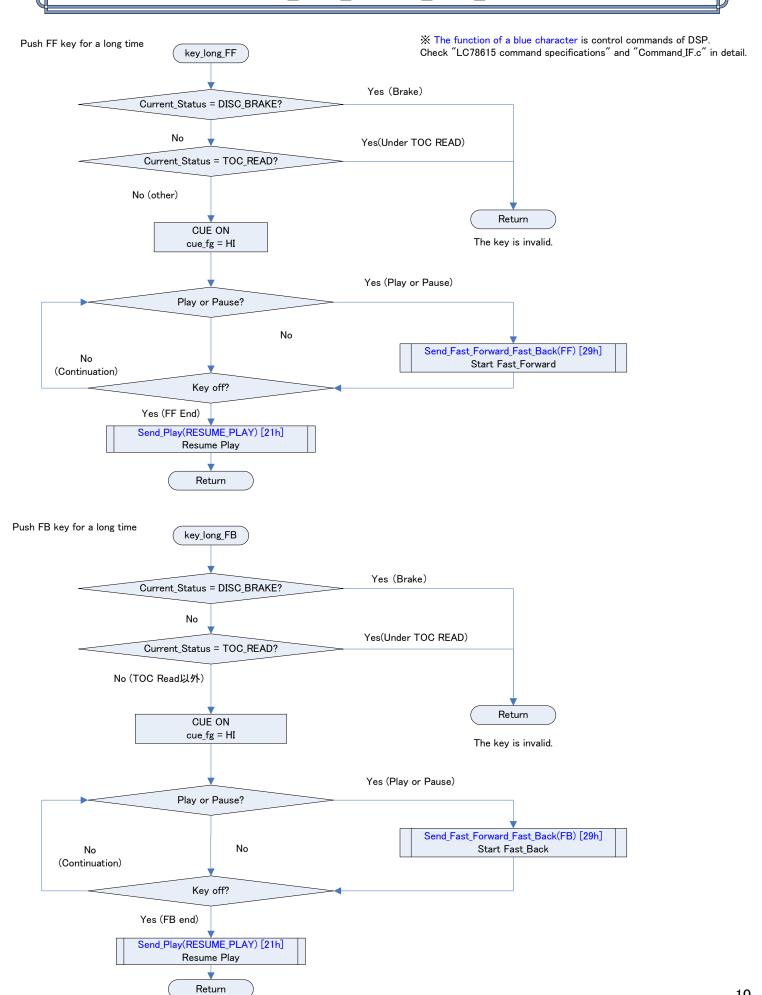
Push FF Skip Key

X The function of a blue character is control commands of DSP.
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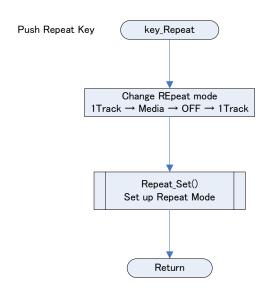


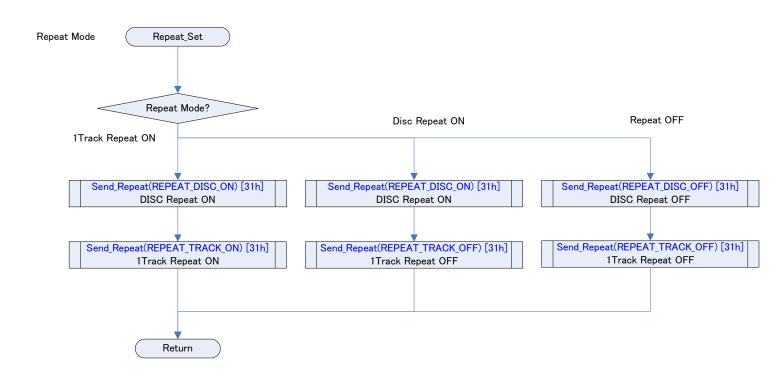
LC78615 HOST FLOWCHART KEY_LONG_FF / KEY_LONG_FB



LC78615 HOST FLOWCHART KEY_REPEAT

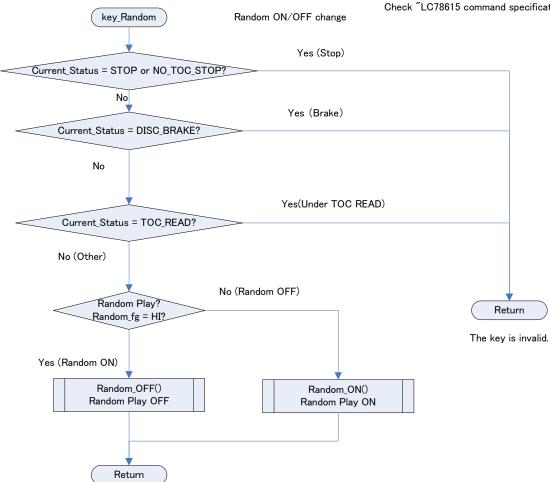
X The function of a blue character is control commands of DSP.
Check "LC78615 command specifications" and "Command_IF.c" in detail.

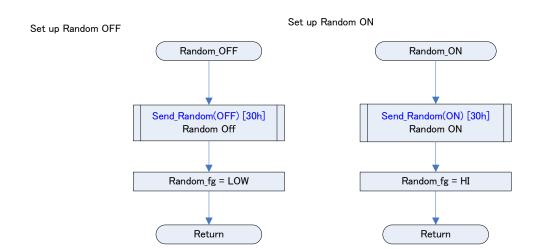




LC78615 HOST FLOWCHART RANDOM再生

** The function of a blue character is control commands of DSP.Check "LC78615 command specifications" and "Command_IF.c" in detail.





LC78615 HOST FLOWCHART ERROR_CODE_CHEAK

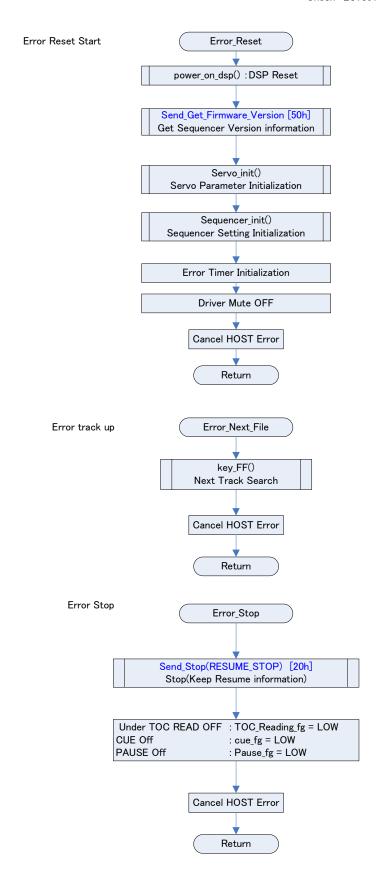
X The function of a blue character is control commands of DSP.
Check "LC78615 command specifications" and "Command_IF.c" in detail.

Error detect by HOST & Error recovery Error_Code_Cheak Yes Was unexpected reset carried out? Current Status = RESET_START? No No (Brake) Stop_fg = HI? Stop OK? Disc Brake? Yes (Stop Error) No Yes (Stop OK) Timer over? $Stop_fg = LOW$ Set up STOP Error timer No (Brake) No Is Current_Status the same as before? Yes (TOC READ Error) TOC READ timer over? No Yes (Search Error) Search timer over? No Error detection by HOST Yes (Play Error) Error_Reset() Doesn't Play time progress? **DSP** Reset No (No Error) Error detection by HOST Error detection by HOST Error_Next_File() Error_Stop() Next track search Error stop Cancel HOST Error & Error timer re-setup other than STOP error timer Check Error status by Sequencer No (Error) Error Code=0? No Error? Set up Sequencer Error Yes (No Error) Cancel Sequencer Error Error Recovery

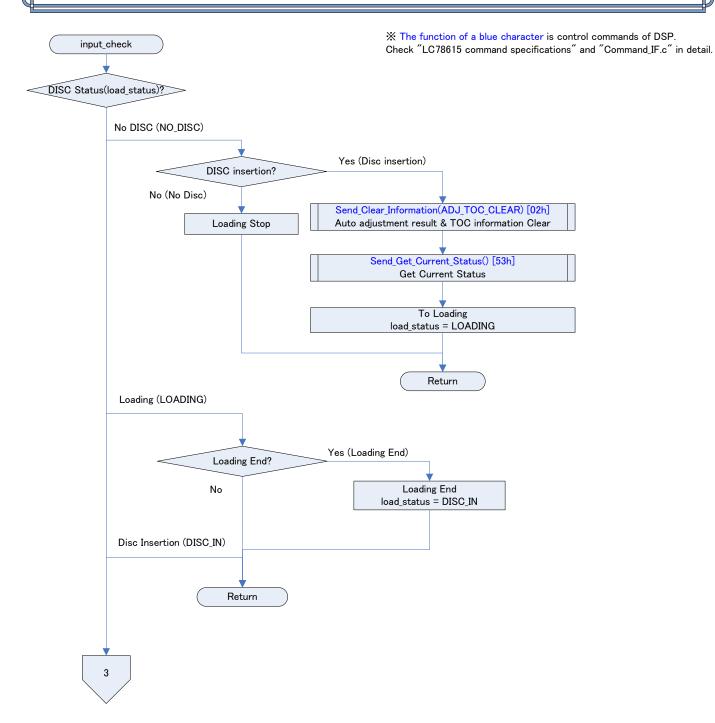
Return

LC78615 HOST FLOWCHART ERROR RECOVERY

** The function of a blue character is control commands of DSP. Check "LC78615 command specifications" and "Command_IF.c" in detail.

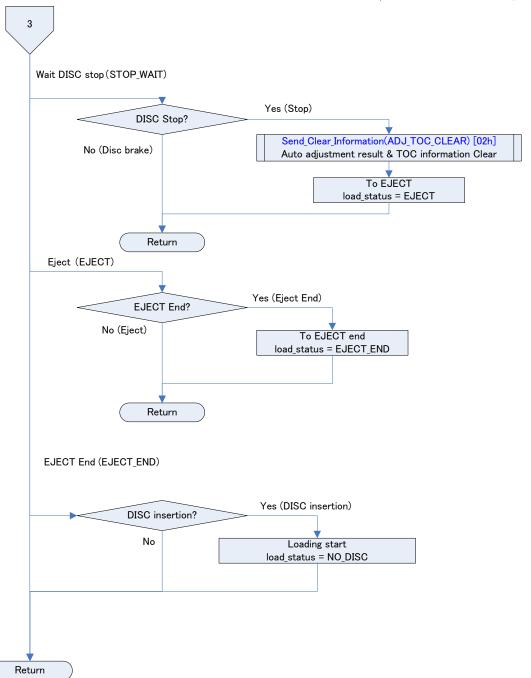


LC78615 HOST FLOWCHART LOADING / EJECT



LC78615 HOST FLOWCHART LOADING / EJECT 2/2

** The function of a blue character is control commands of DSP.Check "LC78615 command specifications" and "Command_IF.c" in detail.



LC78615 HOST FLOWCHART KEY_EJECT

 $\frak{\%}$ The function of a blue character is control commands of DSP. Check "LC78615 command specifications" and "Command_IF.c" in detail.

