

Date: Monday, August 07, 2000  
To: CEC Customer  
From: Wayne Locker  
Subject: DSD 412 Software Chips U39 and U40  
Bulletin: No. 3

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The DSD 412 software labeled **A205\_01.abs** can be used with the SWIFT-5000 or the SWIFT FUTURA. When using this software **on a FUTURA you will be required to place a permanent jumper from TB-48 to TB-51** on the DSD drive. If used on a SWIFT-5000 the jumper must **not** be installed.

The Response Profile (F# 90) and Inertia Profile (F# 91) are enabled in this software version.

The Current Decay (F# 85) and LPR Delay (F# 86) are enabled in this software version.

The Speed Reference Multiplier (F# 82) must be set to 1.000 for FUTURA controllers. Set to 1.111 for SWIFT-5000 controllers.

**Note: When changing chips U39 and U40 all the parameter values will be lost! Make sure to record all the parameter values prior to changing these chips. This will make re-entering the values a quick and painless procedure.**

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**Adjusting Notes:**

1. Remove ripple filter fuse
2. Perform Self-Tune and enter data into respective parameters
3. Doubled the learned inductance value and enter it
4. Recalculate Inertia
5. Inertia and Response profiles are not being used

	Gain Stability	Response	Mech Stability
Geared	3	4	0
Gearless	2-3	5.5	0

