Dearborn Group Technology

27007 Hills Tech Court
Farmington Hills, MI 48331
(248) 488-2080
(248) 488-2082 FAX

Application Note

Product: **Hercules**
Title: **Entering DPIDs in the Database**
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DG's Hercules software allows the storage and decoding of Diagnostic DPID signals ($AA) from its database. Although the GMLAN database (in UEF format file) can be directly imported into the Hercules database format, the GMLAN database does not store DPID information. When a new UEF database is imported, the DPIDs will not be automatically placed in the newly imported file.

There is a solution to ease this problem.

1. Create a DPID only database (.mdb).

   If you have not already entered your DPIDs into a database, create a DPIDs only database (Database | Create New Database | GM Monarch). Give the file a name such as DPIDs.mdb. Next associate the database to a channel (Database | Associate Database). Now manually add Diagnostic IDs and DPIDs signal information under the Diagnostic | Setup Diagnostic Configuration, Service $AA.

   If you have already entered the DPID signal data in a database, copy the existing database (.mdb) in a different directory and give it a new name (such as DPIDs.MDB). Associate the database to a channel (Database | Associate Database). Now edit the DPIDs.mdb database; delete all non-diagnostic frames from all channels. This creates a DPIDs-only database that can be merged with any new UEF imports.

2. Import the new UEF file into a Hercules database file (Database | Import Database | From UEF file).

3. Merge the new MDB file with the DPIDs.mdb file (Database | Merge Database). **Important note**: the order of the files selected to merge is important. Select the DPIDs.mdb first in the merge process. (This will not allow overwrite of the DPID information).