Hercules Database and DPIDs

FAQ

How do I enter DPIDs into the Hercules Database?

INTRODUCTION

Dearborn Group's Hercules software allows the storage and decoding of Diagnostic DPID signals, related to Diagnostic Service $AA, from an associated database. Although the GMLAN database (.UEF file format) can be directly imported into the Hercules database (.mdb file 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. Manually entering DPIDs into a database each time a UEF file is imported may be an inconvenience when a database is large. There is a solution to ease this inconvenience.

SOLUTION

1. Create a DPID only database (.mdb). If you have not already entered the DPIDs into a database

    1.1. Create a DPIDs only database (Select Database | Create New Database | Motorola (forward)).
    1.2. Give the database file a name such as DPIDs.mdb.
    1.3. Associate the database to a channel (Select Database | Associate Database).
    1.4. Manually add Diagnostic IDs and DPIDs signal information under the Diagnostic | Setup Diagnostic Configuration, Service $AA.

2. If you have already entered the DPID signal data in a database, you will want to maintain a separate DPID database to use for the future.

    2.1. Copy the existing database (.mdb) in a different directory
    2.2. Give it a new name (such as DPIDs.MDB).
    2.3. Associate the database to a channel (Database | Associate Database).
    2.4. 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. Remember to keep this DPIDs.MDB current.

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

4. 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).