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Coding Information

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Title: DLB Feature Compare Tool

Applies To: DLB

CHANGE LOG

Please refer to the change log text box below for recent changes to this article:

09/23/2015 - Initial Article Release

DESCRIPTION

This tool is designed to compare Diamond Logic feature data across multiple vehicle configuration files (.ivd and .iva). It allows users to quickly load files either manually or directly from the Diamond Logic Builder Vehicles folder using VIN-based selection. As files are added or removed, the comparison runs automatically with no manual action required.

The program presents results in an interactive table that shows feature codes, descriptions, access levels, and whether each feature is present in each selected file. Built-in search, filtering, and sorting make it easy to locate specific features or focus only on differences between files. Column visibility can be customized to show or hide descriptions and access information as needed.

Users can remove files individually or clear all files at once, with results updating instantly. The tool also includes reporting and export options that reflect exactly what is visible on screen, allowing results to be printed, copied, saved as text, or exported to CSV for use in Excel or other spreadsheet tools.

Overall, the program streamlines the process of comparing vehicle feature configurations, helping users quickly identify differences, validate setups, and document results without manual comparison or external tools.

HOW TO USE

First, download the [DLB Compare Tool](#) and extract the files to a folder, such as your desktop. Once extracted, follow the steps below to begin using the tool.

1. Add Files to Compare

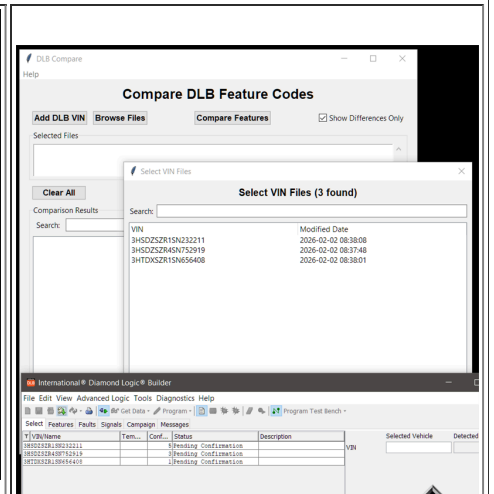
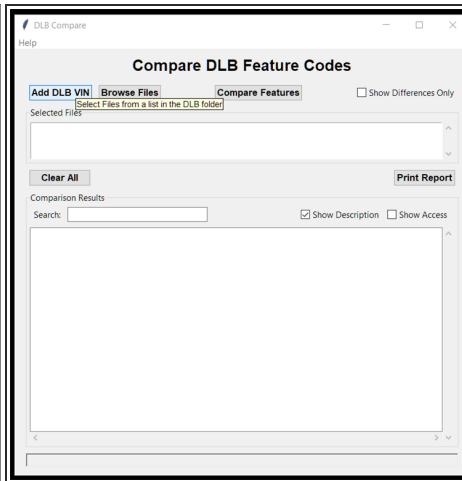
You can add files using either method below. The first method pulls vehicle files directly from DLB's configured vehicle directory and loads the most recent files. VINs added in DLB using **Get From History** will appear in the tool immediately after clicking **Add DLB VIN**. The second method allows you to manually add files that are not located in the vehicle directory.

Option A: Add DLB VIN

1. Click **Add DLB VIN**.
2. If prompted, set the Diamond Logic Builder Vehicles folder.
3. In the **Select VIN Files** window, choose one or more VINs.
4. Click **Add Selected**.
5. The selected VIN files are added to the comparison.

Option B: Browse Files

1. Click **Browse Files**.
2. Select one or more `.ivd` or `.iva` files.
 - o Hold Ctrl (or Cmd) to select multiple files.
3. Click **Open**.
4. The selected files appear in the **Selected Files** list.



The tool defaults to the vehicle directory:

C:\Users\
<username>\Diamond Logic
Builder\Vehicles.
To change this, click **Select
Vehicle Directory** in the **Select
VIN Files** window.

To locate your DLB vehicle
directory, open DLB and
navigate to **File > Set Vehicle
Directory**, then note the folder
location.

Note: VINs loaded into DLB by
connecting directly to a vehicle
are not supported by this tool. If
you receive an error when
loading a VIN, use **Get From
History** in DLB to retrieve the
VIN from the server, then reload
it in the compare tool.

2. Review Comparison Results

1. View results in the table
below the Selected Files
list.

- Each VIN is
displayed in its own
column. Scroll left or
right to view
additional VINs.
- A checkmark
indicates the feature
is enabled for the VIN
associated with that
column, while a dash
indicates the feature
is not enabled.

2. Columns show:

- Feature Code
- Description (optional
by checking the box)
- Access level
(optional by checking

FeatureCode	Description	SN232211	SN752919
0597002	COMMON CONFIG DATA	✓	✓
0597003	IP CONFIGURATION for LT, RH & LoveStar	✓	✓
0597005	PARK/MARKER LIGHTS 20 AMP	✓	✓
0597006	HEATED MIRRORS DOOR POD	✓	✓
0597007	HEATED MIRRORS Rocker Switch	✓	—
0597008	WORK LIGHT Rocker Switch	✓	✓
0597009	EXTERIOR LIGHT CHECK	✓	—
0597011	FOG LIGHTS, Lighted Control Module (LCM)	✓	—
0597012	ENG COMPRESSION bk. Universal Shifter	✓	✓
0597016	FIFTH WHEEL SLIDE	—	✓
0597017	FIFTH WHL JAW UNLOCK	—	✓
0597018	INTERIOR DOME LIGHTS in Cab, with Switch	✓	✓
0597019	INTERIOR DOME LIGHTS in Sleeper	✓	✓
0597020	PARKED REGEN SWITCH Aftertreatment	✓	✓
0597021	INHIBIT REGEN SWITCH Momentary	—	—
0597025	POWER DIVIDER LOCK	✓	✓

the box)

- One column per file indicating feature presence

By default, the tool displays all enabled features for all added VINs. To view only the differences, select **Show Differences Only** in the top-right of the main window. This option is unchecked by default.

3. Filter and Search Features

1. Use the **Search** box to find specific features.

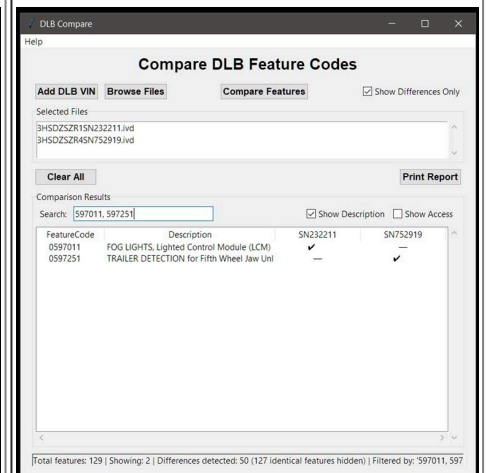
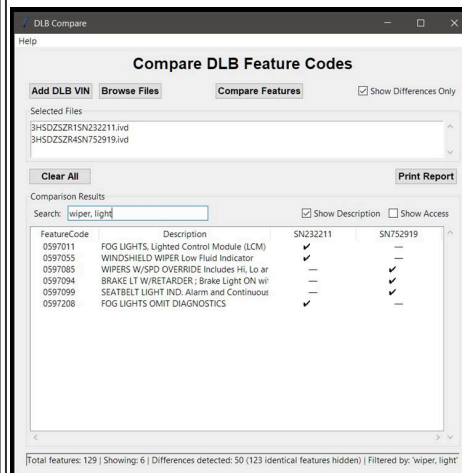
- Searches Feature Code and Description.
- Supports partial and comma-separated searches.

2. Enable **Show Differences Only** to display only features that differ between files.

- Requires two or more files.

This allows you to filter results while still comparing multiple features. For example, to view both lighting and wiper-related features, enter **wiper, light**. The tool will display all feature codes with **Wiper** or **Light** in the description.

This is also useful when a customer provides a list of features to be added. Enter the features separated by commas to quickly view and confirm the applicable feature codes.



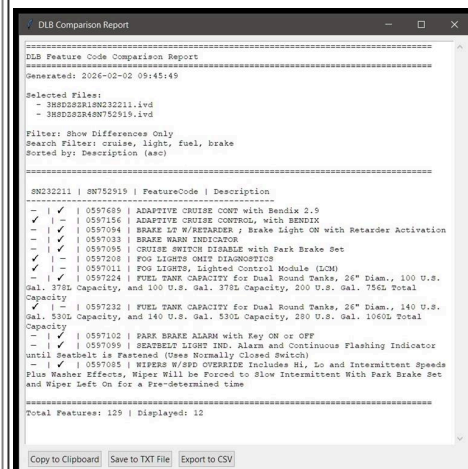
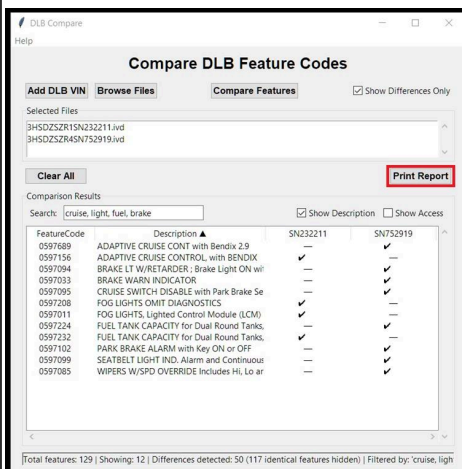
4. Print or Export Results

When you click **Print Report**, the tool opens a new report window that displays exactly what is currently shown in the Comparison Results box.

This report is fully editable within the report window, allowing you to make manual changes such as adjusting formatting, removing specific lines, or adding notes before copying, saving, or exporting.

You can export the report using one of three options: **Copy to Clipboard**, **Save to TXT File**, or **Export to CSV**.

- Copy to Clipboard is useful for pasting directly into a case note.
- TXT file option is ideal for sharing with other users or uploading to a case.
- CSV option is helpful for saving customer records or tracking feature changes over time.



ADDITIONAL INFO

You can sort and customize the comparison results by clicking any column header in the results table. Clicking a column header once sorts the results in ascending order, clicking it again reverses the sort order, and clicking it a third time clears the sorting and returns the table to its default view. You can also control which information is displayed by using the **Show Description** and **Show Access** checkboxes. If a file name in the column header is truncated, hover over it to view the full file name.

Files can be removed from the comparison at any time. To remove a single file, right-click the file in the **Selected Files** list or right-click its corresponding column header in the results table, then select **Remove**. To remove all files at once, click **Clear All**. This action resets the comparison and clears the results table.

Status information is displayed in the **Status Bar** at the bottom of the window. The status bar shows the total number of features, the number of features currently displayed, the

number of differences detected, and any status or error messages related to the comparison.

Be aware that the tool pulls all files from your DLB vehicle directory. To make it easier to locate the VINs you want to compare, consider removing unneeded VINs if your folder contains a large number of files. In DLB, you can do this by highlighting one or more VINs, right-clicking, and selecting Delete. This is a common practice and can also improve DLB performance.

For additional assistance, review the User Guide available in the **Help** menu, which provides more detailed explanations and usage examples. If you have feedback, questions, or suggestions for improvement, please leave a comment on this iKnow article. Your feedback helps improve the tool and documentation. Thank you.

OTHER RESOURCES

[Vehicle Programming Resource Center](#)

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