

product industry to use this SAE J2012 DTC Format engineers need to convert it in to HEX format storing the DTC information in EEPROM. SAE J2012 has standard code definitions according to 4 divisions in vehicle. Example 1. Powertrain 2. Chassis 3. Body 4. Network and each division is assigned with the specific code, the intention behind this coding is to make easy way to group fault codes in vehicle and make standardized across all OEMs. Engineers can easily make conversion of DTC Format by using this user friendly and efficient tool as well by using procedure information.

Brief information on conversion procedure and tool.

System	Code categories	Hex value	DTC Prefix
Body	B0xxx – B3xxx	8xxx – Bxxx	B
Chasis	C0xxx – C3xxx	4xxx – 7xxx	C
Powertrain	P0xxx – P3xxx	0xxx – 3xxx	P
Network	U0xxx – U3xxx	Cxxx – Fxxx	U

The paper content the detailed information regarding procedurals of conversion DTC Format from SAE J2012 to HEX as well the tool description.

Tool:

Tool GUI containt:

1. Check button to select the conversion format from SAE to HEX and vice versa.
2. Text box to fetch the DTC information from user.
3. Display box contain the final converted DTC.
4. Featured and user friendly GUI options for better interaction with tool.

(Note to reviewers: Please let me know if the abstract isn't clear. I have implemented and released the tool, currently the engineers are using efficiently.)