

Heavy-Duty Aftermarket Access to Information Panel

ToolTech
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HD Service Industry Background

- Heavy-duty engine and vehicle industry is non-integrated
 - Engine OEMs
 - Vehicle OEMs
 - Transmissions and other powertrain component manufacturers
- Heavy-duty vehicle and engine service industry operates on a small, individualized scale
 - Limited number of specific products
 - Fewer service facilities, requiring substantial investment
- Individualized communication for HD engine servicing is the norm
 - Information and tools have long been made available
- HD tools necessarily complex to provide required customization and performance features

Service Information Rulemakings

- Basis for service information rules is assuring availability of information for servicing emission-related components
- California and federal rules are similar, although slightly different timing
- Rules apply to engines used in vehicles $\geq 14,000$ lbs. GVWR
- Proprietary issues recognized during rule development
- Timing of standardized tool interface requirements important (2013)

Current Requirements - California

- 13 CCR 1969 (e)(1) Service Information. “...Motor vehicle manufacturers and engine manufacturers shall respectively make available for purchase... all emission-related motor vehicle information and emission-related engine information, as applicable, that is provided to the...manufacturer’s franchised dealerships or authorized service.... The information shall include, but is not limited to, diagnosis, service, and repair information and procedures, technical service bulletins, troubleshooting guides, wiring diagrams, and training materials useful for self-study....”

Current Requirements – U.S. EPA

- 86.010-38(j)(3)(i) “Manufacturers shall furnish...any and all information needed to make use of the on-board diagnostic system and such other information, including instructions for making emission-related diagnosis and repairs, including but not limited to service manuals, technical service bulletins, recall service information, bi-directional control information, and training information, unless such information is protected...as a trade secret.”

Current Requirements

- OEMs also must make available for purchase general description of OBD systems, including monitors, trouble codes and typical enabling conditions
- Service information websites required to make information available for sale
 - Small volume sales delays and exemptions available
- Liability limitations for service not conducted by manufacturer

Beginning in 2013

- Heavy-duty manufacturers required to sell:
 - Enhanced (manufacturer-specific) diagnostic tools, but may require appropriate training
 - Generic identification and scaling information
 - Anti-theft system initialization information
 - Recalibration and reconfiguration software, methods and parameters, subject to “reasonable business precautions necessary to protect proprietary business information”
 - Data stream and bi-directional information to equipment and tool companies
- Not required to divulge trade secrets

Tool Information - California

- (h)(2)(A) “Beginning with the 2013 model year,...all information necessary to read and format all emission-related data stream information, including enhanced data stream information, that is used in diagnostic tools available to ... authorized service networks, and all information that is needed to activate all emission-related bi-directional controls....”

Tool Information – U.S. EPA

- (j)(14) – “By July 1, 2013, ... all generic and enhanced service information including bi-directional control and data stream information,” provided electronically using common document formats
- Information necessary for developing generic diagnostic scan tools

Tool Information Generally

- Excludes information to modify certified configuration or make permanent changes
- Excludes if unsafe or functionally inaccurate tools
- May require component identifier message and address claim PGN to identify tool used on engine
- Allows licensing, contractual and/or confidentiality agreements with tool companies, including hold harmless or liability limitations
- U.S.EPA: Central repository option

Today, Manufacturers Are:

- Continuing to make information and tools available
- Meeting requirements for expanded implementation of websites for access to service information
- Still testing tools for 2010 model year products
- Planning to develop new tools that are “open” yet secure enough for aftermarket providers to service engines
- On track to provide required information to tool and equipment manufacturers in 2013

Questions

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