



# SDD Best Practice

## Facts and Best Practices When Working With Replacement Control Modules and SDD.

Jaguar Land Rover Service Diagnostics would like to remind all SDD users of the following facts and best practices when working with replacement control modules.

### FACTS:

SDD is designed to collect and store data collected from the start of any service session, for later use during diagnostics for various purposes.

Control module data including (but not limited to) DTC's, hardware and software numbers, key/security data, serial numbers, VIN, Odometer, Car Configuration, and component calibration values captured at session start is often used later when performing various programming and calibration functions using SDD.

SDD presumes data read from modules at session start, are always EXISTING control modules with information and software programmed into a vehicle at the time of manufacture.

The Jaguar Land Rover service part supply system is a globally universal system that is only expected to deliver control module "hardware" that is compatible for the vehicle specification, but the "software" and final configuration is expected to be completed by SDD during control module configuration "as New" routines.

Fitting new control modules to vehicles before starting a new SDD service session can often lead to improper configuration, or complete programming failures when attempting to use SDD to initialize, configure or program new modules later in that session.

### BEST PRACTICES:

Never start a new SDD session with any control modules fitted to the vehicle that are NOT considered "original" equipment, or previously replaced and correctly configured service parts.

When "existing" components are not available, (e.g. sublet work, body shop, etc.) or non-functional for any reason, replacement parts should not be fitted before starting a new SDD service session.

If necessary, unplug the new component, remove power fuse, or relay etc. to prevent SDD from reading any information from the replacement parts during session start.

Only fit replacement control modules, (or restore power etc.) just before launching the required SDD function to configure that module, unless stated otherwise within a specific Jaguar Land Rover service publication.

If a session was incorrectly started with un-programmed replacements fitted, starting a new session, or repeating the vehicle data collection process with the original part, or no part fitted is strongly advised before running any programming or configuration routines on SDD.

New components incorrectly, or partially configured during a session that was not started correctly, may be difficult to recover and configure correctly even if a new session is started with the original/no component fitted.

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## **ADDITIONAL TIPS USING SDD DVD133 ONWARDS:**

Since DVD133 will prompt users to resume a previous session, this option may be used to continue using a previous session started with the original components fitted and effectively program a recently installed control module.

### **Example:**

- Start new session on Monday with all original parts fitted
- Diagnose failed TCM or Transmission assembly
- Order replacement TCM/Transmission as VOR parts
- Install TCM replacement on Tuesday
- Re-connect same SDD used on Monday; when VIN is read, SDD prompts to resume the most recent session
- Resume session started Monday, when original TCM was still installed
- Advance directly to SDD recommendations to safely configure TCM as new