



All

DATE 02/02
Amended 01/03

1-129

SERVICE

ADMINISTRATION BULLETIN

Teradyne GDS510 - OBDII Scan Tool

MODEL All
VIN

Remove and destroy Bulletin 1-129 dated 02/02.
Replace with this Bulletin.
The attachment and order form have been revised.

ISSUE:

In compliance with current legislation, Jaguar is offering to its dealers and the aftermarket repair industry the Teradyne GDS510. The GDS510 is upgraded from the GDS500 in that it is capable of OBDII diagnostics from 1995 MY through present Jaguar vehicles including the XTYPE equipped with CAN. It is also EOBDII compliant for the European markets as this technology is now a standard in that market. We highly recommend the purchase of this tool to increase your shop efficiencies. By calculating technician time possibly waiting for WDS, that might be tied up for complex diagnostics, against specific OBDII diagnostics, and shop throughput, it is easy to see the unit will pay for itself very quickly.

The GDS510 is not just a Jaguar-specific tool. It will also provide OBDII information for most 1995 onward vehicles equipped with OBDII.

ACTION:

The Jaguar Service Equipment department **cannot** process orders for the GDS510. All questions, orders and purchases should be directed to the supplier, Teradyne. (See the attached spec sheet and order form for numbers and information).

All orders must be processed with the supplier, Teradyne. This ensures that as upgrades and accessories are added Teradyne can solicit you directly to keep your equipment operating at current standards.



Teradyne offers its GDS510 unit as an affordable automotive scan-tool to meet both North American OBDII and European EOBD requirements. The tool provides instant access to vehicle emissions related trouble codes and real time data. A large format display allows the use of non-abbreviated text strings.

The generic scan-tool is intended for use with any OBDII or EOBD compliant vehicle, providing a rugged and reliable solution to satisfy the increasing need for basic diagnostics on modern vehicles. Current market applications include the independent after-market, OEM service bay, manufacturing and development environments.

The GDS510 provides a single connection to the vehicle's diagnostic connector. This connector is pre-defined for all compliant vehicles (96MY-USA and 2000MY-Europe).

The portable, handheld tool has a crisp LCD graphics display allowing the display of graphical illustrations and meaningful multilingual text & data. Context-sensitive on-line help is available to provide fault code definitions and help on abbreviations. A PC link kit is included which allows direct connection to a PC RS232 port to facilitate download of applications software to the scan-tool's memory cartridge. Data logging facilities are available in selected applications. The PC link kit facilitates the uploading of logged data to a PC for mathematical analysis or printing of graphs etc.

GDS510 provides a removable or in-system re-programmable FLASH memory cartridge for future software upgrades. Cartridges are available with up to 17 Mbytes of FLASH memory, which can store vehicle calibration files or custom software applications for non-OBD tasks such as ECU re-programming.



Unit cost: USD\$1850 (GBP£1220)

Carriage: USD\$75 (GBP£15)

Plus customs clearance charges, import duties and local taxes, were applicable.

General Specification

Vehicle serial communications interface.

ISO 9141-2

KWP2000

J1850 PWM - (Ford)

J1850 VPW - (GM)

CAN (version 2B)

Additional protocols on

Internal expansion card

PC-RS232 download kit to support code upgrades and download of vehicle specific data and custom applications.

Vehicle FLASH programming voltage source on 2 channels.

configurable from 12V to 19V,

max 100mA

open-drain output - sinks 3mA

FLASH memory

5/9/17 Mbyte FLASH re-programmable

Ability to allow protocol development in the DDRAW environment.

10 function silicon rubber keypad.

150 x 160 dot matrix monochrome transfective LCD with EL backlight and adjustable contrast settings.

Scantool

Provides emission related diagnostics satisfying the legislated EOBD (ISO 15031) and OBDII (J1979) requirements for all current Jaguar vehicles.

Covers monitoring of current power train data and freeze frame data, reading and clearing DTCs, oxygen sensor test results, on-board test results, on-board system control, vehicle information and evaluation support.

JagCom

Provides Jaguar specific diagnostic services for all vehicles except the X-type.

Covers Engine Management, Transmission Control, Braking Systems and Instrument Cluster.

Provides PID monitoring, parameter substitution (where applicable), DTC reading and clearing, monitoring freeze frame data, execution of diagnostic commands and diagnostic routines.

Vehicle Diagnostic Aid (VDA) (future release which requires current probe hardware which only Jaguar dealers have)

Provides semi-guided Jaguar specific diagnostic services for the X-type.
Data driven to allow easy provision of support for other vehicle types in the future.
Covers all ECUs capable of DTC and PID support.
Provides DTC reading and clearing, monitoring freeze frame data, monitoring and logging of up to two PIDs, multiple PID monitoring and parameter substitution (where applicable), execution of diagnostic commands and diagnostic routines.
Allows monitoring of PIDs related to a particular DTC.
Allows monitoring of current probe, if available.
User selectable logging time and sample period, including 'as fast as possible' mode.
Logged data can be uploaded to a PC for later analysis.

Jaguar Vibration Analyser (JVA) (requires JVA hardware which only Jaguar dealers have)

Acquisition and analysis of data from a vibration transducer connected to the seat rail or steering column while the vehicle is being driven.
Real-time fault indication such as "wheel vibration", "drive shaft vibration", "other vibration", or "vehicle within spec".
Capture and display frequency domain graphs, giving a more precise analysis. Graphs can be saved for later use and uploaded to a PC if required.
Self-triggering mechanism incorporated for automatic fault recognition, data capture and analysis.
This allows the tool to be used by a driver only.

Current Probe Application (requires current probe hardware which only Jaguar dealers have)

Large digital display with bargraph.
Manual selection of ranges 4A, 10A and 50A.
Average readings based on filtering.
Freeze feature for normal or filtered readings, to allow last 5 seconds of readings to be captured and displayed graphically.
Max and Min readings with reset to present reading.
Relative readings based on previous 'Hold' reading.
Logging of readings to cartridge with user selectable log time and sample rate (min. 20ms).
Graphical playback of log record from cartridge.
Upload of log record to PC for later analysis.
Automatic range fitting for graphical readings



Order Form

Jaguar GDS510

To: Teradyne Diagnostic Solutions Ltd
Orion Business Park,
Bird Hall Lane,
Stockport, SK3 0XG
UK.

US: Tel: 1-800-210-8699
Fax: 313-294-3088
UK: Fax: +44 (0)161 491 9222
Tel: +44 (0)161 491 9111

Item	Qty.	Part/Item No.	Description	Price Each	Total Price
1		3544-0100-00	Jaguar GDS510 Full System	US\$ 1,850	US\$
2		-	World-wide shipment (per system)	US\$ 75	US\$
All pricing is exclusive of customs clearance charges, import duties and local taxes.					US\$

Purchase Options (check one box)

Credit Card payment Bank Transfer Payment before delivery

Credit Card Payment (check one box)

Credit Card Type: Mastercard JCB Visa Delta Visa Debit Solo Switch

Name: _____

Card No.: |_|_|_|_|_| |_|_|_|_|_| |_|_|_|_|_| |_|_|_|_|_|.

Expiry Date: |_|_|_| / |_|_|_| MM/YY Issue No. |_|_|_| (Solo and Switch only)

- ◆ A pro-forma invoice will be issued upon receipt of this form.
- ◆ Orders should be sent by post to the above address or by using the Fax number. Orders sent by post should be copied for your own records.
- ◆ This order Form should be filled in clearly and completely and signed below.
- ◆ All orders accepted are accepted subject to Teradyne Diagnostic Solutions Ltd's terms and conditions.

Billing Address

|_|_|_|_|_|_|_|_|_|_| _____
 Dealer Code Contact Person

 Dealer Name

 Street

 Town, Postal Code

 Country

 Telephone

 Fax

 VAT Registration Number

Delivery Address (if different than Billing Address)

|_|_|_|_|_|_|_|_|_|_| _____
 Dealer Code Contact Person

 Dealer Name

 Street

 Town, Postal Code

 Country

 Telephone

 Fax

ACCEPTANCE

I/We hereby accept this Sales Agreement for the Equipment specified above on the terms and conditions contained herein and overleaf.

Signature _____

Print Name _____

Date _____

Position _____

Signature _____ **Date** _____



Diagnostic Solutions Division

Teradyne Diagnostic Solutions Ltd. Standard Terms and Conditions of Hardware Sale & Software License

Teradyne Diagnostic Solutions Ltd. sells its Hardware and licenses its Software in accordance with the following terms and conditions:

"Hardware" means the Teradyne supplied test equipment, systems and peripherals. "Software" means computer programs provided to Licensee by Teradyne or Teradyne distributors as further defined in the Teradyne End-user Software License Agreement. Teradyne Diagnostic Solutions Ltd. is hereinafter referred to as "Teradyne" and buyer of Hardware/licensee of Software is hereinafter referred to as "Buyer". "Equipment" means the Hardware and Software operating together as an automotive diagnostic test system for the automotive product specified in the applicable documentation.

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2.2 This warranty shall not apply to the extent that: (a) any damage, defect or fault is caused by reasonable wear and tear, accident or by any act, omission, default or misuse of the Hardware by the Buyer or any third party; or (b) any failure to follow any instructions supplied with the Hardware (whether oral or in writing) or any specifications published by Teradyne, including but not limited to (i) the failure to use the system diagnostics user self-test, when possible; (ii) the failure to provide and use a proper power supply; (iii) the use of the Hardware with vehicles other than those for which it is designed; or (c) the Hardware has been used in conjunction with equipment or materials, the specification of which has not been approved in writing by Teradyne or the use of parts not supplied by Teradyne, including but not limited to cables and transducers; or (d) the Hardware has been altered, modified or repaired other than by Teradyne or a third party expressly nominated or approved in writing by Teradyne; or (e) any defect in the Hardware arising from any drawing, design or specification supplied by or which is a requirement of the Buyer. In the event any claim present under warranty, found on investigation by Teradyne either to be outside the scope or duration of this warranty, or the fault being unconfirmed, then the costs of such investigation and repair shall be borne by the Buyer.

2.3 In order to exercise its rights under this section the Buyer shall notify Teradyne, by telephone or in writing to the appropriate service center, of the default or non-conformity within the warranty period. Upon receipt of such notice, Teradyne shall have the option of testing or inspecting the Equipment at its location or of having the Equipment returned to Teradyne or such other address as may be notified to the Buyer, freight prepaid by the Buyer. Teradyne reserves the right to withhold shipment of replacement parts, items or Equipment until the defective parts, items or Equipment are received by Teradyne. Replacement parts, items or Equipment shall be sent by Teradyne to the Buyer, ordinary freight pre-paid, subject always to section 2.2.

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Teradyne will defend or settle at its expense and indemnify and hold harmless Buyer in any action brought against Buyer alleging that the Teradyne Hardware systems, or any of the Hardware parts manufactured by Teradyne, infringe a United States or United Kingdom patent, provided that Buyer promptly notifies Teradyne in writing of such action, provides Teradyne with all reasonable assistance, at Teradyne's expense, for the defense or settlement of such action, and grants to Teradyne sole authority and control for the defense or settlement of such action. If a final adjudication enjoins Buyer from using the Hardware, Teradyne will, at Teradyne's option and expense, either procure for Buyer the right to continue using such Hardware systems, or part, or replace or modify such Hardware, or part so that it becomes noninfringing, or remove such Hardware, or part, and refund to Buyer the purchase price, or license/lease fee if applicable, and transportation costs. Teradyne shall not have any liability to Buyer if the alleged infringement is based on the use of such Hardware, or part, with products not manufactured by Teradyne, or any products derived by Buyer through the use of Hardware, which products infringe any patent, or Teradyne's compliance with Buyer's designs, specifications or instructions. The foregoing states Teradyne's entire liability for patent infringement by such Hardware, or part. Teradyne's liability for patent or copyright infringement of Software is separately stated in Teradyne's End-User Software License Agreement attached hereto and incorporated herein by reference.

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Teradyne reserves the right to make changes in the specifications of Hardware, provided the changes do not diminish the performance of the Hardware as confirmed by Teradyne's Acknowledgment.

6. FORCE MAJEURE

Teradyne shall not be liable for any damages or delay in performance due to causes beyond Teradyne's reasonable control.

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8. EXPORT

Buyer warrants that it will not export either directly or indirectly, any Equipment in violation of applicable export regulations.

9. MAINTENANCE

Post warranty maintenance shall be available under the terms of a Teradyne Equipment Maintenance/Support Agreement.

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Legal Department
Teradyne, Inc.
321 Harrison Ave.
Westford, MA 02118-2238
U.S.A.

or

Legal Department
Teradyne Diagnostic Solutions Ltd.
Orion Business Park
Bird Hall Lane
Stockport
Cheshire SK3 0XG
England