JAGUAR

SERVICE

**S-TYPE**

DATE 10/02
Amended 11/02

S100-S503

# TECHNICAL BULLETIN

## Enhanced Dealer PDI Process – 3-Month Trial Period – USA Market Only Service Action S503

MODEL  2003 MY-ON
S-TYPE

VIN        M44998-ON

Remove and destroy Bulletin S100-S503, amended 10/02.
Replace with this Bulletin.
This Service Action applies to the USA only.

**THIS ACTION SHOULD BE PERFORMED ON THOSE USA VEHICLES RETAILED IN THE MONTHS OF OCTOBER, NOVEMBER AND DECEMBER 2002 ONLY.**

**Issue:**

It is thought that some customers may have experienced product quality issues with attributes that could have been identified at PDI had the process been more comprehensive.

For a limited period of time, and to enhance customer satisfaction, Jaguar Cars is introducing a PDI enhancement in addition to the current PDI process. The success of the enhancement will be monitored through customer surveys.

Dealers are requested to carry out a comprehensive inspection for those vehicles listed above that are retailed in the months of October, November, and December 2002 only. This Service Action will end on Dec. 31, 2002.  No further warranty claims will be accepted after this time.

Dealers are also requested to ensure the Quick Guide is hanging from the interior mirror. This can be found in the Owner Literature Pack.

Details of the inspections and their processes are included in this bulletin.

The Service Action only covers the inspection/testing of the identified systems; any repairs that are necessary must be claimed for following normal warranty procedures.

**Action:**

**Important:** The following procedures should only be performed within 24 hours of delivery to the customer and when the transit relay has been removed for the final time.

**Note:** For vehicles with memory system:
Ensure vehicles with automatic transmissions are in 'Park' and manual transmission vehicles have the parking brake applied during these tests.
For these tests, the key-ring transmitters supplied from the factory with a tie strap attached will be called transmitter 1. Key-ring transmitters with no tie strap supplied will be called transmitter 2.

PDI  ENHANCEMENT PROCESS SUMMARY

1.  Transit relay removal – revised procedure
2.  If the vehicle has memory:

    a  Program key-ring transmitter 2 to memory position 2.

    b  Test key-ring transmitter 2 for memory recall.

    c  Test key-ring transmitter 1 for memory recall.

3.  Test 'one touch' operation of sliding roof.
4.  Set AVC to maximum.
5.  Ensure ECM/TCM calibration is at the latest level (engine must be cool).
6.  Perform WDS health check (read, diagnose, and clear all DTCs).

> **Note:** The Quick guide should be hung from the interior mirror prior to delivery. This can be found in the owner literature pack.


TRANSIT RELAY REMOVAL/BATTERY RECONNECTION.

**The following procedure resets all systems and modules to avoid unnecessary DTCs being logged.**

1.  Ensure that the ignition is switched off.

> **Note:** Wait at least twenty seconds before disconnecting the transit relay.

2.  Remove the transit relay.
3.  Before reconnecting the battery, insert the key into the ignition. Turn the key to position 3, as if trying to start the engine and hold in that position for three to five seconds. Switch ignition off.
4.  Reconnect the battery cable.

> **Note:** After reconnecting the battery, wait at least thirty seconds before switching on the ignition. If the battery subsequently needs to be disconnected, wait at least 15 seconds after turning off the ignition, before disconnecting the battery. It is also important to leave a minimum of 20 seconds between battery disconnection and reconnection. These actions will prevent spurious DTCs from being stored.

PROGRAM KEY-RING TRANSMITTER 2 WITH MEMORY POSITION 2.

Test memory recall 1 and 2. Test easy-entry/exit function.

1. Select key-ring transmitter 2.

2. Insert key into ignition switch and move key to position 2.

3. Ensure the steering column is set to 'Auto' (for easy-entry/exit function).

4. Adjust seat, steering column, and door mirrors to the required positions. For this test, the seat should be at least five inches from its rearmost travel limit.

5. Press the 'Memory' ('M') button on the driver door switch pack – the red LED on the switch pack will illuminate.

6. Within five seconds, press any button on the key-ring transmitter.

7. Within a further four seconds, press button '2' on the driver door switch pack - a chime will sound and the memory center will indicate the memory has been set. **Key-ring transmitter has now been programmed with memory settings.**

8. Move the seat, steering column, and door mirrors to random positions.  The seat should be at least five inches from its rear travel limit for this test.

9. Remove the key from the ignition switch – the seat and steering column will move to the easy-exit position to verify that the Easy-exit function is working correctly.

10. Exit and lock the vehicle using the key-ring transmitter.

11. Unlock the vehicle with the key-ring transmitter; the door mirrors will move to the memorized settings.

12. Insert key into ignition; the seat and steering column will move to the memorized positions to verify that the Easy-entry function is working correctly.

13. Repeat steps 8 to 12 using key-ring transmitter 1 (tie strap attached).

14. If any of the positions are incorrect or if the easy-entry/exit does not work properly, refer to Technical Bulletin S501-14 to diagnose fault.

> **Note:** For more information on the memory system, refer to the Drivers' Handbook.

TEST SLIDING ROOF 'ONE-TOUCH' FUNCTION

1. Open and close sliding roof using the 'one-touch' function.

2. If function does not work correctly, refer to the section on the sliding roof learning procedure in Technical Bulletin S501-16 or JTIS on how to recalibrate the sliding roof.

SET AUTOMATIC VOLUME CONTROL (AVC) TO MAXIMUM

**Vehicles without touch screen**

1.  Press and hold volume control until AVC is displayed.  If "AVC OFF" is displayed, press the volume control knob and proceed to step 2.

2.  Adjust the volume to maximum.

**Vehicles with touch screen**

1.  Turn radio on and press menu.

2.  Press the 'Volume Preset' icon.

3.  Use the '+' button next to 'AVC' to adjust the volume to maximum.

4.  Press OK.

> **Note:** Refer to Drivers' Handbook for additional information.

CHECK SOFTWARE LEVEL FOR ECM/TCM

Reflash ECM/TCM, if required, with **latest** WDS software.  **(WDS Issue 19 requires the additional patch files sent on a separate CD-ROM.)**
**S-TYPE R vehicles from M71126 do not require reprogramming.**

1.  After connecting the battery, do not disconnect WDS.

2.  Select the content model screen (screen with the list on the left hand side and all the tabs at the top).

3.  Select the configuration tab (the vehicle and wrench, top center).

4.  Select special applications.

5.  Select vehicle control module identification and run the application.

6.  Open up the information for each module by selecting the '+' next to the module.

7.  Check the software level against that available on WDS.  **Refer to the attached software calibration chart at the end of this bulletin.**

8.  If the level of software in the module is lower than that available on WDS, load the latest level software, otherwise take no action.

WDS HEALTH CHECK

1.  Use WDS to read/clear all DTCs.

2.  Road test the vehicle.

3.  Connect WDS to the vehicle.

4.  Select the option to read all DTCs.

5.  Fix and clear any codes as necessary.

The Service Action only covers the inspection/testing of the identified systems; any repairs that are necessary must be claimed for following normal warranty procedures.

## Warranty Information:

Warranty claims should be submitted quoting S503 as the program code together with the relevant option code from the table below. This will result in the appropriate labor time allowance for carrying out the inspection and any required testing or re-flash activity.

The SROs listed below have been included for information only, there will be no requirement to enter the parts or SROs onto the claim.

Since this campaign is performed at the same time as the PDI process, no time allowance for drive in/drive out has been given.

**The Service Action only covers the inspection/testing of the identified systems; any repairs that are necessary must be claimed for following normal warranty procedures.**

### Service Action S503

| Program Code | Option | Description | SRO | Time | Part Number | Part Description | Qty |
|---|---|---|---|---|---|---|---|
| S503 | A | Inspection (includes calibration checks only) | 86.93.08 | 0.2 hrs. | | | |
| S503 | B | Inspection and re-flash ECM | 86.93.08/01 | 0.3 hrs. | | | |
| S503 | C | Inspection and re-flash TCM | 86.93.08/02 | 0.4 hrs. | | | |
| S503 | D | Inspection and re-flash both ECM and TCM | 86.93.08/03 | 0.5 hrs. | | | |

**NOTE:** Always perform a DDW claim search first to determine whether this service action has been performed on this vehicle. The warranty selection under the vehicle inquiry will give a listing of all claims against the vehicle. If **S503** appears in the program code field, do not perform this service action.

Please refer to the matrix below to determine if the vehicle you are working on has the latest calibration software fitted. If your vehicle does not have the latest calibration software, re-flash the vehicle using WDS software disk 19 (including the patch files.  Please ensure that your WDS has these patch files loaded, as some of the files below are not part of the regular WDS disk 19) additional information can be found on this subject on FAQ 5621.

**ENGINE CONTROL MODULE**

**WDS Information**

| DATA FIELDS | LATEST CALIBRATION 3.0L NA | LATEST CALIBRATION 4.2L NA | LATEST CALIBRATION 4.2L S/C |
|---|---|---|---|
| | | | |
| Vehicle Identification (full) | | | |
| Module Part Number | 2R83-10K975-BL | 2R83-10K975-CK | 2R83-10K975-DK |
| Calibration Identification | DE-2002-0797736580 | DE-2002-0797736550 | DE-2002-0797736560 |
| Hardware Version | | | |
| Software Version | 0797736580 | 0797736550 | 0797736560 |

**TRANSMISSION CONTROL MODULE**

**WDS Information**

| DATA FIELDS | LATEST CALIBRATION 3.0L NA | LATEST CALIBRATION 4.2L NA | LATEST CALIBRATION 4.2L S/C |
|---|---|---|---|
| Module Part Number | | | |
| Calibration Identification | Z6-6X51-55X202WW | Z6-3X51-55X202WW | Z6-5C52-55X202FED |
| Software Version Date | | | |
| ZF Program Number | | | |
| Software Compatibility Number | | | |
| Serial Number | | | |

# Enhanced Pre-Delivery Inspection Check Sheet

**Model: S-TYPE**

| VIN: | | Ignition/Door Key Number: | |
|---|---|---|---|
| **Engine Number:** | | **Paint Code:** | |
| **Model:** | | **Trim Code:** | |
| **Date:** | | **Radio Code:** | |

**If vehicle has memory system:**

| ✓ | × | Comments |
|---|---|---|
| | | |

Program key-ring transmitter 2 with memory position 2.

Test key-ring transmitter 2 for memory recall.

Test key-ring transmitter 1 for memory recall.

Test easy-entry/easy-exit function.

**If vehicle has sliding roof:**

| ✓ | × | |
|---|---|---|
| | | |

Test 'one touch' open for sliding roof.

Test 'one touch' close for sliding roof.

**Transit relay removal – revised procedure:**

| ✓ | × | |
|---|---|---|
| | | |

Set Automatic Volume Control (AVC) to maximum.

Check ECM software level.

Check TCM software level.

Read all DTCs.

**Note: The Quick guide should be hung from the interior mirror prior to delivery. This can be found in the owner literature pack.**