



Sedan Range

DATE 11/95
Amended 07/01

05.2-11

SERVICE

TECHNICAL BULLETIN

**MIL Illumination – DTC P0410 –
AIR System – Replace Check Valves –
Service Action S653**

MODEL 1995 MY
XJ12 Sedan
VIN
720001 - 754303

Remove and destroy Bulletin 05.1-11, dated 11/95.
Replace with this Bulletin.
Revisions are marked with a bar and in **bold text**.

ISSUE:

A number of 1995 XJ12 vehicles have still not been modified in accordance with this service action campaign. Failure to carry out this repair may, over time, lead to degradation of the catalytic converter that may cause the vehicle to fail in an emissions test. For this reason Jaguar Cars North America will write to all owners of vehicle within the above VIN range who have not already had this modification carried out, asking them to contact their nearest dealer to install new check valves on their vehicle.

A revised check valve for the Secondary Air Injection System is available for XJ12 vehicles within the above VIN range to eliminate unnecessary illumination of the MIL.

ACTION:

Replace both check valves on 1995 MY XJ12 vehicles within the above VIN range with Part No. NAC 4793BA. Two valves are required per vehicle.

This procedure should be performed at PDI prior to vehicle hand-over. On vehicles in service, the check valve should be replaced at the first service opportunity or in the case of a customer complaint.

NOTE: Because of the shallow depth of the hex nut which is part of the check valve, a "thin jaw" 27 mm open end wrench is required for the following procedure. Snap-On part no. FC 34A - chrome, or GFC 34A - black anodized, can be used when ground down to 5 mm.

1. Beginning with the A bank, loosen the hose clamp and remove the hose from the check valve.
2. Use a 27 mm open end wrench as described above, to remove the check valve from the air rail.
3. Install a new folded copper sealing ring washer Part No. C 45759/3 to the replacement check valve, Part No. NAC 4793BA. The new valve can be identified by a white stripe painted around the circumference.
4. Install the check valve and washer on the air rail. Tighten the check valve only enough to compress the copper washer to ensure an air tight seal.
5. Reconnect the hose and tighten the hose clamp.



6. Repeat steps 1-6 for the check valve on the B bank.
7. Use the WDS to clear DTC P0410. Any other codes that are latched must be diagnosed further.

PARTS INFORMATION:

<u>DESCRIPTION</u>	<u>PART NUMBER</u>	<u>QTY</u>
Check valve	NAC 4793BA	2
Copper washer	C 45759 3	2

WARRANTY INFORMATION:

Service Action S653

<u>VEHICLE</u>	<u>SUMMARY CODE</u>	<u>DESCRIPTION</u>	<u>TIME ALLOWANCE</u>
XJ12 1995 MY VIN 720001-754303 Model codes 2512	KJ	Replace Secondary Air Injection Check Valves - Engine Set - Erase DTC -without drive-in/out time (performed with another repair)	0.40 hrs.
XJ12 1995 MY VIN 720001-754303 Model codes 2512	KK	Replace Secondary Air Injection Check Valves - Engine Set - Erase DTC -with drive-in/out time (only repair performed)	0.55 hrs.

NOTE: Always perform a DCS 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 S653 appears in the fault code field, do not perform this service action.

CLAIM SUBMISSION PROCEDURE:

Warranty summary codes have been assigned to this service action in order to simplify claim submission. The dealership will be reimbursed the parts and labor time allowance as indicated.

DCS DEALERS

Submit claims using the appropriate summary code for the vehicle model and work performed. Follow standard campaign submission procedures.

NON-DCS DEALERS

Submit claims on the Recall Campaign Summary form W-25. Enter the appropriate summary code for the vehicle model and work performed in the Repair Code column. Do not use the W-1 warranty claim form.

August 2001

Dear Jaguar Owner:

RE: Jaguar Service Action S653 - Air Pump Check Valve

1995 Model Year XJ12 Engine Vehicles

Jaguar and the U.S. Environmental Protection Agency have determined that your vehicle may be emitting pollutants in excess of the Federal emission standards or family particulate emission limits, as defined in Part 86 Code of Federal Regulations. These standards or family particulate emission limits, as defined in Part 86 were established to protect the public health or welfare from the dangers of air pollution.

What is the problem?

The purpose of this letter is to inform you as an owner of a 1995 model year Jaguar XJ12 vehicle that your vehicle may be fitted with an air pump check valve that has an inconsistent operation. This condition does not affect drivability of your vehicle but it will cause illumination of the MIL (Check Engine Light), and can cause an increase in exhaust emissions. Failure to have this repair performed, over time, may lead to the degradation of your vehicle's catalytic converter.

What will Jaguar do?

To correct the inconsistent operation of the check valve Jaguar Cars, in agreement with the Environmental Protection Agency (EPA), are initiated a Service Action campaign (S653) that will instruct authorized Jaguar dealers to fit a new check valve on all affected vehicles. You should be aware that due to scheduling, your dealer may require your car for one morning or business day.

What should you do?

You are requested therefore to contact, at your earliest convenience, your nearest authorized Jaguar dealer to arrange for this repair to be carried out on your vehicle. This work will be performed by the dealer free of charge and will increase your vehicle's emission system performance and enhance it's reliability. Such a non-conformity may cause your vehicle to fail an emission test when such tests are required under state or local law.

In order to ensure your full protection under the emission warranty made applicable to your vehicle by Federal law, and your right to participate in future recalls, it is recommended that you have your vehicle serviced as soon as possible. Failure to do so could legally be determined to be a lack of proper maintenance of your vehicle.

Where is the closest Jaguar Dealer?

Should you have any questions regarding this Service Action or need assistance in locating your nearest authorized Jaguar dealer please contact the Jaguar Customer Relationship Center on 1-800-4-JAGUAR.

Moved or no longer own a Jaguar?

Please fill out the enclosed card and return it to Jaguar by simply placing it in the mail.

Should you need to contact Jaguar by mail, please use the following address:

Jaguar Cars
ATTN: Customer Relationship Center
555 MacArthur Boulevard
Mahwah, NJ 07430-2327

If your dealer and the Jaguar Customer Relationship Center are unable to perform the repairs within a reasonable time, you may wish to contact the U.S. Environmental Protection Agency at the following address:

U.S. Environmental Protection Agency
National Vehicle and Fuel Emissions Laboratory
Certification And Compliance Division
2000 Traverwood
Ann Arbor, Michigan 48105

Yours sincerely

Gary Temple
Vice President – Customer Care