



## Tech Notes:

### 2002 Jaguar X-Type 2.5 & 3.0L

Faulty Crankcase Breather Valves can cause higher than acceptable fuel trims due to un-metered air entry which can cause false catalyst inefficiency codes. Furthermore, in severe situations, the oil infused crankcase gasses can quickly foul the catalyst substrate rendering the catalytic converter completely inoperative.

XT303-S928

X-TYPE

DATE 10/02

Amended 01/03

MODEL

2002 MY

X-TYPE

VIN

C00295-C59932

Crankcase Breather Valve - Revised Specification Valve - Service Action S928

Remove and destroy Bulletin XT303-S928, dated 10/02.

Replace with this Bulletin. Revisions are marked with black bars and asterisks.

Issue:

As a result of investigations it has been revealed that the crankcase breather valve is wearing prematurely due to resonance in the pintle spring on vehicles within the above VIN range. This is caused by an inadequacy of the valve to operate in the condition being experienced. Initially the customer will experience engine noise and rough running, misfire, excess exhaust smoke, MIL lamp illumination and excessive oil consumption.

\*Action:

At the next available opportunity, check the crankcase breather valve. If the crankcase breather valve body is black, replace the current valve with a new improved design valve, part number: C2S 25648. If the crankcase breather valve body is green or grey no further action is required.\*

**Caution:** Failure to complete the repair detailed in this service action could lead to permanent engine damage.

## REPLACING CRANKCASE BREATHER VALVE

1. Open hood and fit fender protection.
2. Remove the engine cover.
3. Undo and remove engine cover fixing mounting bracket from air filter box rear mounting points.
4. Displace breather hose from breather valve.
5. Twist breather valve half a turn in the camshaft cover to release the breather valve.
6. Remove the breather valve from the camshaft cover.
7. Fit and align a new breather valve to the camshaft cover.
8. Secure the breather valve in the camshaft cover by twisting half a turn.
9. Align the breather valve elbow to the correct orientation.
10. Fit and fully tighten the air filter box rear securing screws.
11. Refit engine cover.
12. Remove fender protection.
13. Close hood.

DESCRIPTION	PART NUMBER	QTY
Crankcase Breather Valve	C2S 25648	1

### Parts Information

### Warranty Information:

Warranty claims should be submitted quoting S928 in place of the normal warranty fault code together with SRO: 17.10.21 and the part number for the Crankcase Breather Valve. This will result in a labor time allowance of 0.2 hours and payment for the parts quoted.

Should the vehicle be brought back into the workshop for this action alone to be undertaken, an additional labor time allowance of 0.1 hours may be claimed quoting SRO: 10.10.10 for drive in/drive out.

**Service Action S928**2.5L VIN Range **2XC00295 - 2XC59932**3.0L VIN Range **2WC00295 - 2WC59932**

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

Program Code	Option	Description	SRO	Time	Part Number	Part Description	Qty
S928	A	Check crankcase breather valve – no further action required	17 91 37	0.2			
S928	K	Check crankcase breather valve – no further action required	17 91 37	0.2			
		Drive in/drive out	10.10.10	0.1 hrs.			
S928	B	Check crankcase breather valve and renew	17 10 21	0.2	C2S 25648	Crankcase breather valve	1
S928	C	Check crankcase breather valve and renew	17 10 21	0.2	C2S 25648	Crankcase breather valve	1
		Drive in/drive out	10.10.10	0.1 hrs.			

Warranty claims should be submitted quoting the information shown. This will result in payment of the stated time and, where applicable, parts/miscellaneous expense codes.

The options that allow for drive in/drive out may only be claimed when the vehicle has been brought in to the workshop for this action alone to be undertaken.