

SERVICE

TECHNICAL BULLETIN

Rough Idle/Restricted Performance/DTCs
P0174, P0171, P0301 to P0308, P1316 and
P1582 – Loose Air Cleaner Pipe

MODEL 2003-04 MY
S-TYPE 4.2 NA
VIN M44998-N23290

Remove and destroy Bulletin S303-19, dated 01/04.
Replace with this Bulletin.
The procedure has been expanded to include
installation of a revised hose clamp.

Issue:

Some 2003-04 MY S-TYPE vehicles within the above VIN range, may exhibit rough Idle, restricted performance, and poor harsh transmission shifts. Diagnostic Trouble Codes (DTCs) P0174, P0171, P0301 to P0308, P1316 and P1582 may be stored in the Engine Control Module (ECM).

The air cleaner outlet pipe may be loose at the throttle body, caused by the air cleaner outlet pipe clamp relaxing and causing the pipe to dislodge from the throttle body.

Action:

In case of a verified customer complaint of the above conditions, install a new air cleaner outlet pipe clamp, and carry out a transmission adaptation procedure by following the workshop procedure outlined below.

Note: The customer must be advised to use normal mode (not sports mode) for 200 miles (321km) and to try to avoid full throttle/kick down over this period.

1. Remove air cleaner outlet pipe (see Global Technical Reference GTR Workshop Manual, section: 303-12B, SRO 19.10.31).
2. Using a suitable cleaning solvent, clean the inside of the tube and throttle housing aluminum mating face.
3. Install a new air cleaner outlet pipe clamp (throttle body end), install air cleaner outlet pipe, (see Global Technical Reference GTR Workshop Manual, section: 303-12B, SRO 19.10.31) and tighten clamps to 4.5 Nm.

NOTE: THE INFORMATION IN TECHNICAL BULLETINS IS INTENDED FOR USE BY TRAINED, PROFESSIONAL TECHNICIANS WITH THE KNOWLEDGE, TOOLS, AND EQUIPMENT TO DO THE JOB PROPERLY AND SAFELY. IT INFORMS THESE TECHNICIANS OF CONDITIONS THAT MAY OCCUR ON SOME VEHICLES, OR PROVIDES INFORMATION THAT COULD ASSIST IN PROPER VEHICLE SERVICE. THE PROCEDURES SHOULD NOT BE PERFORMED BY "DO-IT-YOURSELFERS." DO NOT ASSUME THAT A CONDITION DESCRIBED AFFECTS YOUR CAR. CONTACT A JAGUAR DEALER TO DETERMINE WHETHER THE BULLETIN APPLIES TO YOUR VEHICLE.

Note: Ensure WDS is loaded with software release JTP 759/36 or later.

4. Position WDS alongside vehicle, switch Portable Test Unit (PTU) 'ON' and allow software to load.
5. Enter VIN and check the TCM and ECM for DTCs, any associated repairs are to be carried out as a separate Warranty Claim.
6. Navigate to configuration main menu.

Note: On vehicles prior to VIN M96316, the WDS deletes the transmission adaptations by overwriting the software with a special file and then automatically loads the current software (but not coded access).

THE ADAPTATION PROCEDURE MUST BE CARRIED OUT BEFORE UPDATING THE TRANSMISSION CALIBRATION WITH SURGE OR SHIFT QUALITY IMPROVEMENT SOFTWARE.

On these early vehicles, if the adaptation clear process is used when the surge or shift improvement software is already loaded, that software will get overwritten with the current standard calibration.

7. From the vehicle configuration main menu, navigate to and run "TCM adaptations clear" application.
8. After the 'TCM adaptations clear' is complete, switch off the PTU, disconnect from vehicle and return WDS to original location.
9. Carry out the adaptation drive cycle road test:

Note: This process must be carried out in normal mode (not sports mode). The transmission fluid temperature must be above 60° C (140° F) Having the vehicle at normal operating temperature will ensure transmission fluid temperature is above 60° C (140° F). Drive the vehicle for ten miles in an urban environment to provoke the transmission to carry out upshifts and downshifts. Use light throttle only and do not exceed 2500 rpm. At one point in the drive cycle, when the traffic conditions allow, accelerate gently to 60 mph (95 km/h) then allow the vehicle to coast down to 25 mph (40 km/h).

Note: The customer must be advised to use normal mode (not sports mode) for 200 miles (321 km) and to try to avoid full throttle/kick down over this period.

Global Technical Reference (GTR) Workshop Manual Information:

Dealer access: <https://hub.franchise.jaguar.com>

Internet access: <http://www.jaguartechno.com>

Parts Information:

<u>DESCRIPTION</u>	<u>PART NUMBER</u>	<u>QTY</u>
Hose clamp	XR8 49658	1

Warranty Information:

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

Description	SRO	Time	Causal Part Number
Air cleaner outlet pipe clamp service fix	19.91.74	0.5 hrs.	XR8 16431