



XJ range

DATE 06/04

XJ100-03

**SERVICE****TECHNICAL BULLETIN****Buzzing/Knocking Noise After Start Or With Ignition On – Adaptive Speed Control Module – Repair Procedure**MODEL 2004 MY  
XJ range

VIN G00442-G27835

**Issue:**

On some 2004 MY XJ range vehicles within the above VIN range, customers may have concerns of a buzzing/knocking noise heard when the ignition is switched 'ON' or just after engine 'start-up'. The adaptive speed control module has a radar scanner inside which scans from side to side 10 times per second. In some modules the scanner hits the end stops causing a noise.

**Note:** The buzzing/knocking noise has been confused with a timing chain/tensioner rattle and, if applicable, a supercharger noise.

A revised adaptive speed control module, which contains a contactless potentiometer and a new internal actuator, has been released to address this concern.

**Action:**

In case of a verified customer complaint, install a new modified adaptive speed control module referring to Workshop Manual, section: 310-03.

**Note:** When instructed to check and adjust the speed control module leveling, carry out speed control module alignment procedure. To assist with the alignment of the new speed control module on the road refer to the procedure below from FAQ 12441.

1. Fit module to vehicle, ensuring the vehicle is level, and the radar is fitted level. (Use the electronic Jaguar levelling gauge 501-F007 as supplied with the initial S-TYPE service tools.)
2. Connect WDS to vehicle, and run "Configure new module" application. Ensure process is complete and WDS is returned to docking station. Cycle ignition before driving vehicle. The "follow" icon (Illustration 1) should now be flashing, this indicates the vehicle is in service alignment and now requires driving.

**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 RETAILER TO DETERMINE WHETHER THE BULLETIN APPLIES TO YOUR VEHICLE.**

**“FOLLOW” ICON LOCATED IN INSTRUMENT CLUSTER**



ILLUSTRATION 1

3. The service alignment process measures the path of stationary targets such as streetlights, railings, road signs, parked vehicles etc., and uses this data to correct for radar misalignment. Alignment will complete more quickly if more suitable targets are seen. The following recommendations will help:
  - The speed must be above 30 mph (48 km/h)
  - Try to keep the speed relatively constant. Numerous accelerations and decelerations will cause the process to take longer
  - Choose a road with plenty of road features. Use an inside or outside lane.
  - Following vehicles too closely will obscure the stationary targets from the radar, a time gap of 2 seconds is recommended.
  - A straight road will produce a quicker and better result, although the process will still operate on a curved road.
  - The time the module takes to align will vary, depending on the route, speed, number of targets, and individual module.
4. When the flashing “follow” icon light (Illustration 1) extinguishes, the system is now functional, and a desired speed can now be set by the customer and the ACC will operate as normal.

**Global Technical Reference (GTR):**

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

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

**Parts Information:**

**DESCRIPTION**

Adaptive speed control module

**PART NUMBER**

C2C 23960

**QTY**

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**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
Install a new speed control module	19.75.26	1.4 hrs.	C2C 13813