



XJ range

DATE 10/05

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SERVICE

TECHNICAL BULLETIN

Vibration Felt Through Steering Wheel or Seats – Wheels/Tires – Diagnostic Procedure

MODEL 2004 MY-ON
XJ range

VIN G00001-ON

Issue:

In the event of customer complaints of a vibration through the steering wheel and/or the seat, a procedure can be followed in order to rectify the concern.

Action:

If a customer complaint is received and the wheels and tires are suspected, follow the workshop procedure below to assist in correcting the concern.

WORKSHOP PROCEDURE

1. Before any rectification work, inspect the vehicle for any damage to the wheels and tires.
2. Check the tire pressures and visually inspect the suspension components for tightness.
3. Drive the vehicle for a distance of 13-16 Km (8-10 miles approximately) at a speed of 80 Km/h (50 mph) to warm the tires and eliminate the possibility of incorrect diagnosis due to flat spotting of the tires.

Note: This procedure needs to be carried out prior to carrying out any analysis work. Driving the vehicle as recommended will work out any temporary flat spotting that may have occurred in the tires, especially if the vehicle has been parked for an extended period of time.

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.

VVA SENSOR ON SEAT RAIL

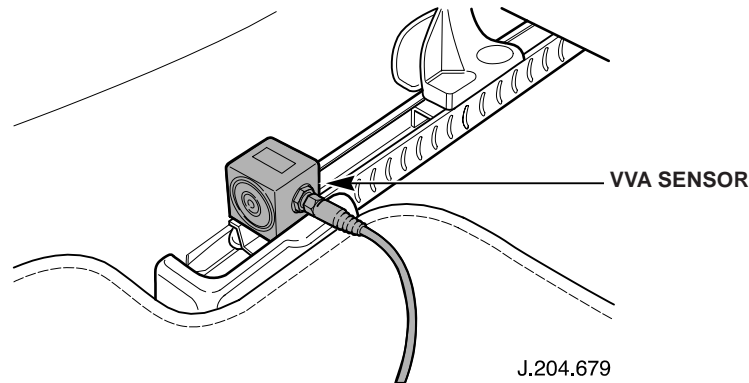


ILLUSTRATION 1

4. Once the tires are heated, the WDS Vehicle Vibration Analyzer (VVA) procedure must be carried out to determine the possible source of vibration.

Note: In the first instance the VVA sensor should be mounted on the seat rail in the X-axis orientation. If there is no reading in the X-axis (fore/aft) orientation, repeat test in the Y-axis (left/right) and Z-axis (up/down) or until a reading is obtained. (See Illustrations 1).

5. After the road test, return the vehicle to the workshop and raise it off the floor immediately to prevent any flat spotting of the tires.
6. If the balance of the wheel and tire is suspect, check/adjust the wheel and tire balance. Excellent results have been obtained when using a tire balancer with road force variation measuring capability.

FURTHER INFORMATION

Note: If a vibration is still present, call the Technical Helpline at 1-888-524-3577 for further guidance. Prior to the call, the Technical Hotline Precall Work Sheet (S-88, available in the Forms section, on the Product Support website) must be filled in along with the attached report form (the VVA results must be available and ready to fax).