V8 XJ Series/XK

DATE 04/01

204-15

SERVICE

TECHNICAL BULLETIN

Vibration Felt Through Steering Wheel or Seats – Wheels/Tires – Diagnostic Procedure MODEL 1997 MY-ON XK Range 1998 MY-ON V8 XJ Series VIN 001001-ON

812256-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, the 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.

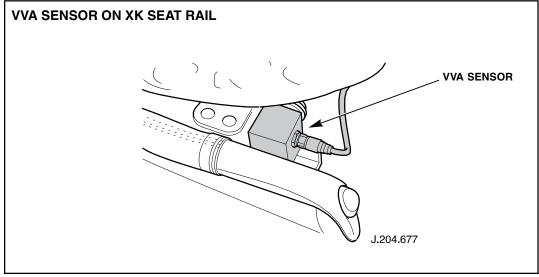


ILLUSTRATION 1



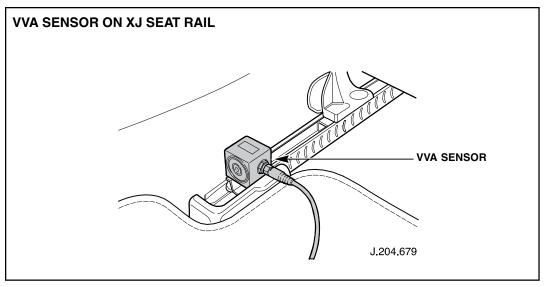


ILLUSTRATION 2

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 and 2 for model applicability).

- 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.

Note: Use only balance weights of the 'two-piece' or 'stick-on' variety (Jaguar specification only). No claims will be accepted if knock-on weights have been used, and may result in debit action being undertaken.

FURTHER INFORMATION

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



JAG	UAR	VIBI	RATION RE	:PORT F	OKM	
		Your Ref:				
Date			Model			
VIN			Mileage			
Dealer			Customer C	oncern		
Contact	ntact		Tracker Case Reference Number			
Dro-road 1	Fost Whool a	and Tire Increation				
Pre-road Test Wheel and Tire Inspection			Left Front	Right Front	Left Rear	Right Rear
Tire Tread	_					
		49 Week 14 1999				
Tire Press						
Condition	of Tire e.g.	Good, Poor, Damaged				
Tire Manu	footuror					
Tire Manu Tire Size	iacturer					
Wheel Sty	rle					
Suspensio	on Information	on				
	on Information Type (Chec	on ck where applicable)	Standard		CATS	
Suspension Suspension	on Type (Checon Checked		Standard YES		CATS NO	
Suspension Suspension (Check where	on Type (Checon Checked applicable)	ck where applicable)				
Suspension Suspension (Check where Road Test	on Type (Checon Checked applicable)	k where applicable) for loose components?	YES		NO	
Suspension Suspension (Check where Road Test Vehicle Us	on Type (Checon Checked applicable) t Report se (Check where	k where applicable) for loose components?			NO Urban Steering	
Suspension (Check where Road Test Vehicle Use Location of Speed Vib	on Type (Checon Checked applicable) t Report se (Check where of Vibration pration Felt	for loose components?	YES Highway		NO Urban	
Suspension Suspension (Check where Road Test Vehicle Use Location of Speed Vibon	on Type (Checon Checked applicable) I Report Se (Check where of Vibration Peration Felt Deed (RPM)	ck where applicable) for loose components? e applicable) (Check where applicable)	Highway Seat Mph		Urban Steering Wheel Km/h	
Suspension Suspension (Check where Road Test Vehicle Use Location of Speed Vibous Engine Sp Type of Vi	on Type (Checon Checked applicable) t Report Se (Check where of Vibration Felt peed (RPM)	for loose components?	YES Highway Seat Mph Side-to-		Urban Steering Wheel Km/h	
Suspension Suspension (Check where Road Test Vehicle Use Location of Speed Vibe Engine Speed Victory (Check where	on Type (Checon Checked applicable) t Report Se (Check where of Vibration Peltopeed (RPM) bration Feltopeed (RPM)	for loose components? e applicable) (Check where applicable) in Steering Wheel	YES Highway Seat Mph Side-to- Side		Urban Steering Wheel Km/h Up and Down	
Suspension Suspension Suspension (Check where Road Test Vehicle Use Location of Speed Vibour Speed Vibour Speed Vibour Speed Vibour Speed Vibour Speed Vibration	on Type (Check on Checked applicable) t Report Se (Check where of Vibration Pelt peed (RPM) bration Felt applicable) Constant? (Constant? (Constant?)	ck where applicable) for loose components? e applicable) (Check where applicable)	YES Highway Seat Mph Side-to-		Urban Steering Wheel Km/h	
Suspension Suspension (Check where Road Test Vehicle Use Location of Speed Vib Engine Sp Type of Vi (Check where Vibration Type of Ro	on Type (Check on Checked applicable) It Report Se (Check where of Vibration Felt peed (RPM) Ibration Felt applicable) Constant? (Cond Surface	ck where applicable) for loose components? e applicable) (Check where applicable) in Steering Wheel Check where applicable)	Highway Seat Mph Side-to- Side YES		Urban Steering Wheel Km/h Up and Down NO	
Suspension Suspension (Check where Road Test Vehicle Use Location of Speed Vib Engine Sp Type of Vi (Check where Vibration Type of Ro PDU/WDS	on Type (Check on Checked applicable) It Report Se (Check where of Vibration Felt Deed (RPM) (bration Felt applicable) Constant? (Coad Surface Printout Att	ck where applicable) for loose components? e applicable) (Check where applicable) in Steering Wheel Check where applicable)	YES Highway Seat Mph Side-to- Side		Urban Steering Wheel Km/h Up and Down	
Suspension Suspension Suspension (Check where Road Test Vehicle Use Location of Speed Vib Engine Sp Type of Vi (Check where Vibration Type of Ro PDU/WDS (Check where	on Type (Check on Checked applicable) It Report Se (Check where of Vibration Felt peed (RPM) Ibration Felt applicable) Constant? (Coad Surface Printout Attapplicable) Spotting Elin	ck where applicable) for loose components? e applicable) (Check where applicable) in Steering Wheel Check where applicable) cached?	Highway Seat Mph Side-to- Side YES		Urban Steering Wheel Km/h Up and Down NO	