



XJ range

DATE 03/04

XJ211-01

**SERVICE**

## **TECHNICAL BULLETIN**

Squeaking Noise –  
Power Steering System –  
Flush System

MODEL 2004 MY-ON  
XJ range

VIN G00001-ON

**Issue:**

On some 2004 MY-ON XJ range vehicles, a squeaking noise may be apparent from the power assisted steering system. The system can be drained and refilled with new fluid to address the customer concern.

**Action:**

On a customer complaint basis only, drain, refill (with fluid specified in Parts Information below) and bleed the PAS system following the workshop procedure outlined below.

WORKSHOP PROCEDURE

1. Open door.
2. Open hood, fit fender protector covers.
3. Remove power steering reservoir filler cap.
4. Raise vehicle on two-post lift.
5. Remove air deflector (see Workshop Manual, JTIS CD ROM, Section: 501-02, SRO 76.11.41).
6. Place suitable drain tray under vehicle.
7. Clean local area around the power steering, feed and return pipes to remove any road dirt.
8. Unclip power steering feed and return pipes from retaining clips.

**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.**

## POWER STEERING PIPE SECURING SCREW

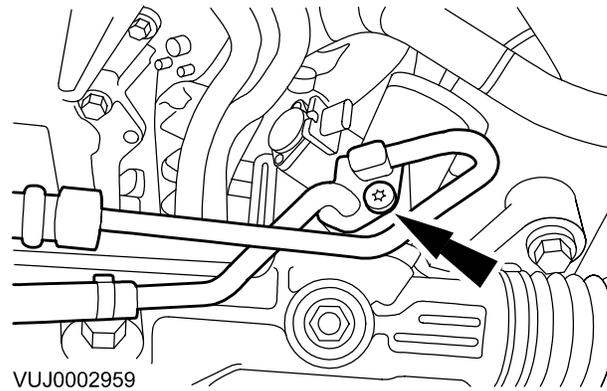


ILLUSTRATION 1

9. Remove the power steering feed and return pipes' securing screw (Illustration 1).
10. Disconnect and reposition the power steering feed and return pipes from the steering gear.
11. Allow fluid to drain from system.

**Note:** Lower vehicle on lift and slowly cycle steering ten times lock to lock to ensure all fluid is purged from system.

12. Raise vehicle on lift, clean residual fluid from the steering gear and power steering feed and return pipes.
13. Connect and align the power steering feed and return pipes to the steering gear.

**Note:** Existing power steering feed/return pipe seals are to remain in position during first purge operation if they are not damaged.

14. Install and tighten the power steering feed and return pipes' securing screw to 15 Nm.
15. Remove drain tray from under the vehicle.
16. Lower vehicle on lift.
17. Fill power steering reservoir with new fluid.
18. Start engine and allow to idle for two minutes while slowly cycling steering lock to lock.

**Note:** If necessary top up fluid as air is purged from system.

19. Switch engine 'Off'.
20. Raise vehicle on lift to a suitable working height.
21. Place suitable drain tray under vehicle.
22. Repeat steps 9 - 12.
23. Remove and discard O-ring seals from the power steering feed and return pipes.

24. Lubricate and install the new O-ring seals to the power steering feed and return pipes.
25. Connect and align the power steering feed and return pipes to the steering gear.
26. Install and tighten the power steering feed and return pipes' securing screw to 15 Nm.
27. On left hand drive vehicles only, clip power steering feed and return pipes onto retaining clips.
28. Install air deflector (see Workshop Manual, JTIS CD ROM, Section: 501-02).
29. Remove drain tray from under vehicle.
30. Lower vehicle on lift and repeat steps 17 - 19.
31. Install power steering reservoir filler cap.
32. Remove fender protector covers and close hood.
33. Start engine.
34. **QUICKLY AND FORCEFULLY** turn steering to full lock. Bounce steering on/off full lock five times. Turn to opposite lock and repeat procedure.

**Note:** Step 34 **MUST** be carried out quickly and forcefully.

35. Turn steering to full lock, hold on full lock for ONE SECOND, then QUICKLY turn back through 90 degrees. Slowly return to full lock and repeat five times. Turn to opposite lock and repeat procedure.
36. Close door.
37. Repeat steps 34 and 35 with the vehicle off the lift and the wheels on the ground.

**Warning:** do not carry out the following procedure on the public highway.

38. Repeat steps 34 and 35 while slowly driving the vehicle in circles to achieve full lock.
39. Retest for fault. If fault rectified, no further action is necessary. If fault still apparent, contact Technical Helpline 1-888-JagDlrs (1-888-524-3577) for further assistance.

**Parts Information:**

<b><u>DESCRIPTION</u></b>	<b><u>PART NUMBER</u></b>	<b><u>QTY</u></b>
Transmission fluid – Mobil ATF (1 Liter bottle)	JLM 21703	3
Power steering hose O-ring	XR8 29167	1
Power steering hose O-ring	XR8 29168	1

**Warranty Information:**

Description	SRO	Time	Causal Part Number
Drain, re-fill and bleed power steering system	57.91.29	1.1 hrs.	JLM 21703