

**Squeaking Noise –
 Power Steering System –
 Flush System**

MODEL 2002 MY
 X-TYPE
 VIN C00294-C80000

Issue:

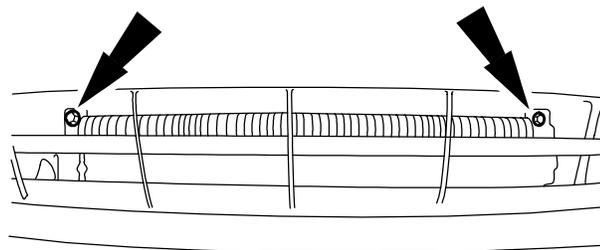
On some 2002 X-TYPE vehicles within the above VIN range, a squeaking noise may be apparent from the power assisted steering system. The system can be drained and refilled with new fluid to address the customer concern.

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.

PAS FLUSHING PROCEDURE

1. Open door.
2. Open hood, fit fender protector covers.
3. Remove PAS reservoir filler cap.
4. Raise vehicle on lift.
5. Remove radiator splash shield (See Workshop Manual, JTIS CD ROM, Section: 501-02, SRO 76.22.90).
6. Remove the bolts securing the PAS fluid cooler (Illustration 1).

PAS COOLER BOLTS


VUJ

ILLUSTRATION 1

7. Loosen and reposition the hose clip at the cooler for the line running from the PAS reservoir.
8. Place a suitable drain tray under vehicle. At the PAS cooler, disconnect the hose of the line running from the reservoir.

9. 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.

10. Raise vehicle on lift to suitable working height and reconnect the hose to PAS cooler.
11. Tighten the securing clip at cooler.
12. Align PAS fluid cooler to vehicle and install securing bolts.
13. Clean residual fluid from hose joint.
14. Lower vehicle on lift.
15. Fill PAS reservoir with new fluid.
16. 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.

17. Switch engine off.
18. Raise vehicle on lift to a suitable working height.
19. Repeat steps 6 to 18. Then continue with step 20.
20. Install splash shield (See Workshop Manual, JTIS CD ROM, Section: 501-02, SRO 76.22.90).
21. Remove drain tray from under vehicle.
22. Lower vehicle on lift.
23. Set PAS fluid to correct level.
24. Install PAS reservoir filler cap.
25. Remove fender protector covers and close hood.
26. With the vehicle still raised in the wheel free position on the lift, turn steering to full lock, quickly bounce steering on/off full lock five times. Turn to opposite lock and repeat procedure.
27. Turn steering to full lock, hold on full lock for one second, quickly turn back through 90 degrees then slowly return to full lock and repeat five times. Turn to opposite lock and repeat procedure.
28. Close door.
29. Remove vehicle from lift and test for fault. If fault rectified no further action is necessary. If fault still apparent repeat steps 26 and 27 with the vehicle off the lift and the wheels on the ground.

⚠ Warning: Do not carry out the following procedure on the public highway, if a suitable area is not available contact dealer technical hotline 1-888-JagDIrs (1-888-524-3577) for further assistance.

30. Retest for fault. If fault rectified no further action is necessary. If fault still apparent repeat steps 26 and 27 while slowly driving vehicle in circles to achieve each full lock.
31. Retest for fault. If fault rectified no further action is necessary. If fault still apparent contact Dealer Technical Hotline for further assistance.

Parts Information:

<u>DESCRIPTION</u>	<u>PART NUMBER</u>	<u>QTY</u>
Transmission fluid – Mobil ATF (1 Liter bottle)	JLM 21703	2

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
Drain, refill and bleed PAS system	57.91.28	1.4 hrs.	JLM 21703