

SERVICE INFORMATION BULLETIN

TITLE : Electronic/Hydraulic Power Assisted Pump (EHPAS) noise

DOCUMENT # : 11 D 001

AFFECTED VEHICLES : 12C's built from start of production until 30.05.2012

SITUATION : Quality Engineering at McLaren Automotive have identified a noise which is produced by the Power Assisted Pump (PAS) feed pipe to the Automatic Pressure Monitoring Unit (APMU) at low engine speeds.

PROCEDURE : In the event of a customer complaint of a noisy EHPAS pump, confirm that the source of the noise is the steering system. If confirmed, remove the existing EHPAS pump feed pipe to the APMU and replace with a new pipe. Please refer to the procedure outlined in this document.

Care Point: Before any work on the hydraulic system, you must connect the MDS tool and depressurise the system.

REMOVAL:

1. Please refer to AA-RM-02A02-03-004 - Remove/install luggage bin – Rear.
2. Please refer to AA-RM-05M01-01-003 - Remove/install battery.

WARNING!

Risk of injury and poisoning working with hydraulic fluid!

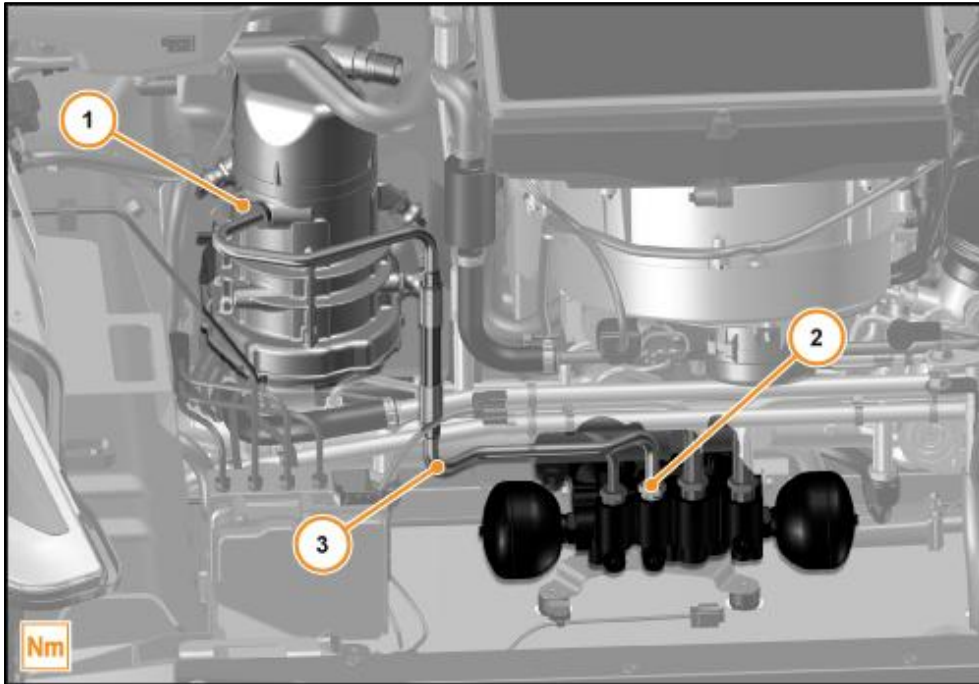
Risk of injury to skin or eyes from hydraulic fluid spraying out under pressure. When disengaging hydraulic lines without depressurizing the system, dangerous skin or eye injuries can occur due to the very high pressures (in excess of 200 bar). If hydraulic fluid, particularly central hydraulic fluid (especially harmful), comes into contact with unprotected skin, this can cause damage to the skin.

If hydraulic fluid is swallowed, this can lead to poisoning symptoms such as headache, dizziness, nausea, vomiting, diarrhoea, cramps and unconsciousness.

- Depressurise the system and drain if necessary when commencing work on hydraulic systems.
- Never put hydraulic fluid into beverage containers.
- Ensure there is sufficient ventilation, especially in the case of central hydraulic fluid.
- Ensure that only authorised persons have access to hydraulic fluid.
- Immediately seal disconnected leads and hoses and the connections to the assembly with blind plugs.

Care Point: Ensure that a suitable container is used to catch excess fluid.

3. Remove bolt (1). M8x20 25Nm.
4. Detach (2) and remove pipe (3) from steering pump to APMU. M16x1.5 40Nm.



INSTALLATION:

5. Replace the existing EHPAS pump feed pipe to APMU with part number 11D0149CP(LHD) or 11D0150CP(RHD).
6. Fill/bleed the suspension hydraulic system by following the instruction A-RM-03B01-01-002 - Fill/bleed fluid – suspension system.
7. Install components in reverse order.
8. Check functionality of the system.

Please contact your Regional Aftersales Manager should you have any questions relating to the information contained in this bulletin.

WARRANTY INFORMATION

DESCRIPTION	RESOLUTION CODE	TOTAL REPAIR TIME
Remove/replace PAS feed pipe to APMU	B0D10123A11A2D01	1.5 hours

PARTS INFORMATION

PART DESCRIPTION	PART NUMBER	QUANTITY	ORDER PROCESS
Pump feed pipe to APMU – LHD	11D0149CP	1	Unipart
Pump feed pipe to APMU – RHD	11D0150CP	1	Unipart
