

# TECHNICAL SERVICE BULLETIN

No.LTB00342/2010

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|               |                 |               |                        |                   |             |
|---------------|-----------------|---------------|------------------------|-------------------|-------------|
| Circulate to: | Service Manager | Parts Manager | Warranty Administrator | Service Reception | Technicians |
|               |                 |               |                        |                   |             |

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|                         |                                      |
|-------------------------|--------------------------------------|
| <b>Subject/Concern:</b> | Rear Differential Lower Level Repair |
| <b>Model:</b>           |                                      |
| Freelander 2            | VIN Range: 000212 Onwards            |

**Markets:** All**Section:** 205-02**Summary**

A customer may report a concern of excessive humming noise and or rumble or high pitched whine coming from the rear of the vehicle, dealer diagnosis identifies the noise is coming from the rear differential assembly.

**Cause:** Pinion tail bearing spalling caused by subsurface material deformation. Cause of subsurface deformation is static overload. **Suggested Customer Concern Code K02.**

**Action:** Should a customer express concern, follow the Service Instruction outlined below.

**Parts Required**

| Description   | Part Number | Quantity |
|---|-------------|----------|
| Pinion Tail Bearing - Inner Raceway - Outer Raceway | LR023441    | 1        |
| Pinion Seal   | LR023442    | 1        |
| Side Shaft Seals                                    | LR023440    | 2        |
| Collapsible Spacer                                  | LR023443    | 1        |
| Nut   | LR023439    | 1        |

**Repair procedures are under constant review, and therefore times are subject to change; those quoted here must be taken as guidance only. Always refer to DDW to obtain the latest repair time.**

| <b>Labor Time</b>                                  |                   |           |
|--|-------------------|-----------|
| Operation Description                              | Operation No.     | Time      |
| Bearing - Tail - Differential Pinion Shaft - Renew | 51.15.10          | 3.2 hours |
| <b>Repair/Claim Coding</b>                         |                   |           |
| Causal Part:                                       | LR003138/LR008502 |           |
| ACES Condition Code:                               | 42                |           |

**Service Instruction**

1. Install a new differential pinion shaft tail bearing, (see TOPIx Workshop Manual, section 205-02 Rear Drive Axle / Differential).