



Technical Service Bulletin

No.JTB00053v2
09 August 2007

Reissue

Please replace the previous edition of this bulletin.

This bulletin supersedes TSB JT B00053/2007 dated 17 July, which should either be destroyed or clearly marked to show it is no longer valid (e.g. with a line across the page).

Subject/Concern: Whine from Rear of Vehicle at 60 mile/h (96 km/h)

Models:
S-TYPE

Markets: All

Section: 205-00

Summary:

This bulletin addresses customer concerns of a whine from the rear of the vehicle at 60 mile/h (96 km/h).

This version has been issued due to a change in Parts Required.

Cause: Rear drive unit frequency.

NOTE: The number stamped on the previous and new bushings are the same. To identify them, the modified axle housing bushing is black, while the previous axle housing bushing is silver.

NOTE: The latest level driveshaft can be identified by a swage in the tube (see step 1).

NOTE: V6 diesel manual differentials must not have a new bush installed.

Action: Should a customer express concern, if the vehicle has not previously had a new driveshaft installed, install a new driveshaft. Re-evaluate the vehicle to determine if further action is required. If the vehicle has previously had a new differential installed, check if the modified bushing (black top) is already installed. If not, install a new rear axle housing bushing and test the vehicle. If a new differential has been previously installed with the modified black topped bushing and whine is still present, install a new differential. Follow the Service Instruction outlined below.

Parts Required:		
Description	Part Number	Quantity
Differential - V6 - Gasoline automatic	XR8 56869	1
Differential - V6 - Diesel automatic and gasoline manual	XR8 56868	1
Differential - 2.7L Diesel manual	XR8 56866	1

Differential - V8 - NA and S/C	XR8 56867	1
Axle housing bushing	C2C 16377	1
Driveshaft - 4.2 NA and S/C	XR8 56667	1
Driveshaft - 2.7 Diesel	XR8 56668	1
Driveshaft - V6 Automatic	XR8 56666	1
Driveshaft - V6 Manual	XR8 56665	1

Labour Time:		
Operation Description	Operation No.	Time
Differential - Renew - VIN M45255 to N52047	51.25.13	2.3 hours
Differential - Renew - VIN N52047 Onwards	51.25.13	2.2 hours
Axle housing bushing - Renew - VIN M45255 to N52047	64.25.30	2.5 hours
Axle housing bushing - Renew - VIN N52047 Onwards	64.25.30	2.4 hours
Driveshaft - Renew	47.15.01	1.1 hours

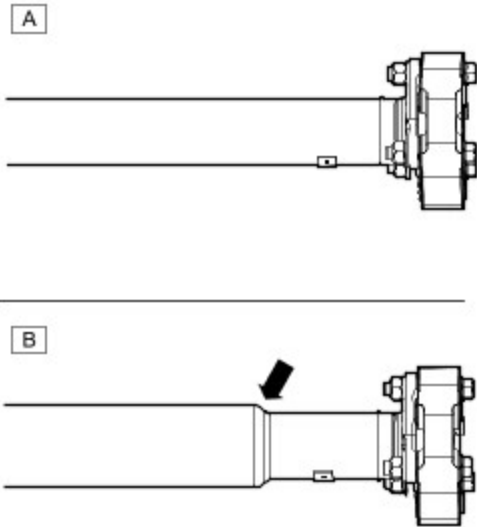
Repair/Claim Coding:	
Causal Part:	XR8 56866, XR8 56867, XR8 56868 or XR8 56869
ACES Condition Code:	42
Defect Code:	

Service Instruction

Installation of the new driveshaft, new axle and new axle housing bushing

- NOTE:** The latest level driveshaft can be identified by a diameter reduction in the tube (B) approximately 150mm from the rubber coupling at the differential end of the shaft. Older level parts have a straight (A) rear tube (see E94695).

Install a new Driveshaft (see Global Technical Reference GTR Workshop Manual, section 205-02 (47.15.01)).



E94695

- 2 . Axle assembly - Remove (see Global Technical Reference GTR Workshop Manual, section 205-02 (51.25.13)).
- 3 . To install the new axle housing bushing to the new axle (see Global Technical Reference GTR Workshop Manual, section 205-02 (64.25.30), carry out step 2 in Removal, and step 1 and 2 in Installation).
- 4 . Axle assembly - Install (see Global Technical Reference GTR Workshop Manual, section 205-02 (51.25.13)).

Installation of the new axle housing bushing

- 5 . Axle housing bushing - Renew (see Global Technical Reference GTR Workshop Manual, section 205-02 (64.25.30)).

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