



star bulletin



DTB

Date: April 10, 2006
 Order No.: T-B-27.60/68c
 Supersedes: T-B-27.60/68b dated March 13, 2006
 Group: 27

Revision:

**SUBJECT: Model 164.175/186
 Uncomfortable 2-1 Downshift When Braking or Coasting**

If you receive customer reports in the above model vehicles of an uncomfortable 2-1 downshift just before the vehicle comes to a complete stop, perform the steps below to resolve.

1. Reproduce the condition and verify the affected shift member using Star Diagnosis.
2. Reprogram the transmission control unit by performing initial startup with Star Diagnosis version 10/2005 or later (all of the corresponding software add-ons must be installed in Star Diagnosis).

i **Note:** In order to install the latest SW versions the vehicle must be equipped with valve body A220 270 13 06.

If the transmission is equipped with any other part number, please replace the valvebody first and then proceed with the reprogramming. For reference please refer to WIS document [AR27.19-P-0200W](#).

i **Note:** MY 2006 164 Vehicles Only

- Do not require the technician to receive authorization from EDAC for replacement of the 722.9 (NAG2) valve body.
- The technician must print out all requested information as per the check list (see next page) and then securely affix printouts to the replaced 722.9 (NAG2) Transmission / Valve Body when shipping and keep one copy with the customer information file. The QEC will be inspecting all warranty returns. The handling fee will be debited on parts that are returned

to

the QEC without the proper information.3. Readapt the subject shift using Star Diagnosis and again print and save the “after”

adaptation results. If the shift complaint is resolved the repair process ends at this operation. If the complaint is still present after the adaptation process, compare the before and after adaptation values.

- Technicians will order the valve body through their dealership parts department and not through EDAC.
- The process will remain unchanged for all 722.9 NAG2 transmission replacements.

Model Year 2006 722.9 NAG2 Transmission / Valve Body Replacement Warranty Checklist

- i** Remember to print out all requested information and then securely affix printouts to the replaced 722.9 NAG2 Transmission / Valve Body when shipping and include a copy with the customer file.

Do NOT erase any stored DTC's in the ETC before returning parts.

On all pages the VIN and date must be visible.

1. Connect SDS, start DAS.
 2. Apply Quick Test
 3. Under the “Main Groups” menu select “Control units”
 4. Navigate to the following STAR Diagnosis Menu: Control units → Drive → Transmission
 5. From the “Transmission” control module print the following menu items:
 - A. Control Unit Version – showing the old EHS part number (A220 270 14 06)
 - B. Fault codes and corresponding freeze frame date from all fault codes in the Transmission control module (if applicable)
 - C. SDS screen of guided test results (if applicable)
- i** **Note:** For printing wait for all information to load, and then press F11.
Select “printout of test step” and press print.
6. End DAS, disconnect SDS.

i **SEND ORIGINAL PRINTOUTS ONLY! Photocopies will NOT be accepted.**

Parts Information		
Qty.	Part Name	Part Number
1	Electro-Hydraulic Control Unit (Valvebody)	A220 270 13 06 28

**Parts are in a critical supply situation and will be limited, please see the PAC weekly status report on parts availability status and delivery expectations. This report is located on the PAC website.

i **Note:** The following allowable labor operations should be used when submitting a warranty claim for this repair

In Case of Warranty			
Damage Code	Operation Number	Time (hrs.)	Model Indicator (s)
Operation: Road test, perform (00-9151) Short test, perform (54-1011) Control unit – software (after short test), install (54-0991) Control unit - code (after test), perform (54-0992) Valve body (electro-hydr.) – 722.9 trans., R&R (27-4989) Adaptation, perform (after repair) (27-1047)			
54553 90	00 9151	0.3 hrs.	BA, BB, Z1, Z2
	54 1011	0.3 hrs.	BA, BB, Z1, Z2
	54 0991	0.3 hrs.	BA, BB, Z1, Z2
	54 0992	0.1 hrs.	BA, BB, Z1, Z2

If Necessary	27 4989	1.7 hrs.	BA, BB, Z1, Z2
	27 1047	1.0 hrs. *	BA, BB, Z1, Z2

* - Maximum allowed time with a separate time punch.