



REPAIRING TRANSFER CASE ACTUATOR (VTG SERVO-MOTOR)

MODEL

E90 (3 Series Sedan) LCI models only	E83 (X3)	E53 (X5) from 10/2003 production	E70 (X5) with the 6 speed automatic and ATC 700 transfer case only
E71 (X6) with the 6 speed automatic and ATC 700 transfer case only	E72 (X6 ActiveHybrid)		

SITUATION

The Anti-lock Brakes (ABS), Brakes and Dynamic Stability Control (DSC) warnings are on and there may also be a "Drivetrain Malfunction" warning on in the Control Display. There is also an audible clicking noise coming from the transfer case actuator when cycling the ignition.

The following fault codes may be stored:

- (DSC) 5F3A - Clutch gearbox-ECU: clutch is open - rear-wheel drive!
- (VTG) 5463 - Break mechanics
- (VTG) 5462 - Error actuator or increased power requirements for clutch
- (VTG) 5461 - Error actuator control

CAUSE

Internal wear to the plastic gears of the transfer case actuator.

CORRECTION

Rebuild the transfer case actuator.

PROCEDURE

Follow the attached procedure which is also available in ISTA/D. The recommended time for the complete repair is two hours.

Note: for more information related to special tools used in this repair, refer to the SI B04 18 94 (for tool P/N 33 4 165) and SI B04 12 97 (for tool P/N 23 0 490).

PARTS INFORMATION

Part Number	Description	Quantity
27 10 2 413 711	Repair kit	1
83 23 2 357 146	Grease (5g)	As needed
83 19 0 404 517	Loctite 5970 (50ml)	As needed

WARRANTY INFORMATION

This service information bulletin provides component repair procedure information.

Valid claims for repairs will to be processed following established policies and procedures that apply together with the applicable defect code and labor operations in KSD2.

ATTACHMENTS

View PDF attachment [27 10 725 Repairing servomotor \(VTG\)](#).

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