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AUTOMATIC TRANSMISSION /TRANSAXLE EXTERNAL CONTROLS - VEHICLES WITH: 8HP70 8-SPEED AUTOMATIC TRANSMISSION AWD

DIAGNOSIS AND TESTING

PRINCIPLES OF OPERATION

For a detailed description of the automatic transmission/transaxle external controls, refer to the relevant Description and Operation section in the workshop manual. REFER to: External Controls - Vehicles With: 8HP70 8-Speed Automatic Transmission AWD (307-05 Automatic Transmission/Transaxle External Controls - Vehicles With: 8HP70 8-Speed Automatic Transmission AWD, Description and Operation).

INSPECTION AND VERIFICATION

CAUTION:

Diagnosis by substitution from a donor vehicle is **NOT** acceptable. Substitution of control modules does not guarantee confirmation of a fault, and may also cause additional faults in the vehicle being tested and/or the donor vehicle.

NOTE:

If a control module or a component is suspect and the vehicle remains under manufacturer warranty, refer to the Warranty Policy and Procedures manual, or determine if any prior approval programme is in operation, prior to the installation of a new module/component.

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1. Verify the customer concern

1. Visually inspect for obvious signs of damage and system integrity

Visual Inspection

MECHANICAL	ELECTRICAL
▪ Transmission control switch	▪ Fuse(s) ▪ Loose or corroded electrical connector(s) ▪ Transmission control switch

1. If an obvious cause for an observed or reported concern is found, correct the cause (if possible) before proceeding to the next step

1. If the cause is not visually evident, verify the symptom and refer to the Symptom Chart, alternatively check for Diagnostic Trouble Codes (DTCs) and refer to the DTC Index

1. Check DDW for open campaigns. Refer to the corresponding bulletins and SSMs which may be valid for the specific customer complaint and carry out the recommendations as required

DTC INDEX

For a list of Diagnostic Trouble Codes (DTCs) that could be logged on this vehicle, please refer to Section 100-00. REFER to: Diagnostic Trouble Code Index: Transmission Control Switch (TCS) (100-00 General Information, Description and Operation).

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