



Technical Service Information

VOLKSWAGEN/AUDI SOLENOID CODE INTERPRETATION

- COMPLAINT:** When a Volkswagen or Audi vehicle is equipped with a ZF Automatic Transmission, and using an aftermarket scan tool for code retrieval, indicates a solenoid fault, the scan tool will display the solenoid fault code using VAG nomenclature.
- CAUSE:** For example, if an Audi A6 equipped with a ZF4HP18FLE stores a 00264 code, the scan tool displays "Electrical fault -N91 or Solenoid 4". This is VAG code nomenclature. ZF refers to this solenoid as EDS-1, but the scan tool does not help to identify which solenoid in the ZF transmission is N-91 or Solenoid 4.
- CORRECTION:** Refer to the chart in Figure 1 for solenoid crossover identification between VAG and ZF nomenclature.

SOLENOID CODE INTERPRETATION

VAG TO ZF SOLENOID VALVE CONVERSION									
VEHICLE APPLICATION	SCANNER DISPLAYS TRANS-MISSION MODEL	ON/OFF SOLENOIDS			PRESSURE REGULATING SOLENOIDS				
		1 or A	2 or B	3 or C	4 or D	5 or E	6 or F	7 or G	8 or H
1991-97 AUDI 100 QUATRO & A6	01F/01K 4HP18FL/FLA	N-88	N-89	N-90	N-91	N-92	N-93	N-94	N/A
ALL OTHER 1995 & LATER VW/AUDI MODELS	01M/01N/01P	EV-1 N-88	EV-2 N-89	EV-3 N-90	EV-4 N-91	*EV-5 N-92	EV-6 N-93	*EV-7 N-94	N/A
1995 TO PRESENT AUDI A4 & A8 1997 TO PRESENT A6 1996 TO PRESENT VW PASSAT	5HP19FL 01V	N-88	N-89	N-90	N-215	N-216	N-217	N-218	N-233
1996 TO PRESENT AUDI A8 AWD	5HP24A 01L	MV-1	MV-2	MV-3	EDS-1	EDS-2	EDS-3	EDS-4	EDS-5

* Solenoids EV-5 and EV-7 are briefly turned on during a shift, to reduce pressure, for proper shift feel. Even though they are ON/OFF solenoids, they "DO" regulate shift feel.

Figure 1