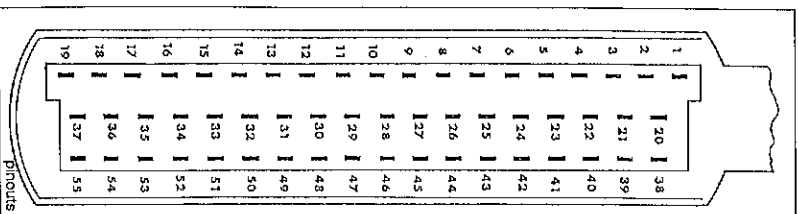


Tiptronic control unit pin assignments



Pin	In/out	Connection	Function/comments
1	input	DME relay terminal 87 (fuse 27)	Battery voltage with ignition on, alarm off (terminal 15). Voltage interrupted when alarm on.
2	input	Transmission inductive pulse drive speed	Positive voltage signal
3	input	Battery	Battery voltage through fuse 35 (7.5 A)
4	input	Stop light switch	-
5	output	Solenoid valve I (SV1) switching point control	Ground signal to activate solenoid valve
6	output	Modulation pressure valve	Ground signal to activate solenoid valve
7	input	Ground location IV	Electronics ground
8	input	Throttle valve potentiometer	Variable voltage signal
9		Coding plug socket	Pin II
10	input	Selector lever switch	Indicates upshift
11	open	-	-



Pin	In/out	Connection	Function/comments
12	input	ABS control unit	Wheel speed signal (ESO) right front
13	output	Speedometer (pin 9)	Display manual operation
14	input	a. Transmission position switch b. Speedometer	a. Ground signal with shift level position IV b. Terminal VII on speedometer
15		ECM	-
16	output	Speedometer	Display 1st gear
17	open	-	-
18	open	-	-
19	output	Transmission solenoid valves	Battery voltage
20	output	Transmission inductive pulse sender	Ground shield for pulse sender harness
21		ECM (T 32), speed sender (T 22) with on-board computer	Load signal ITD
22	open	-	-
23	output	Automatic transmission light in dash	-