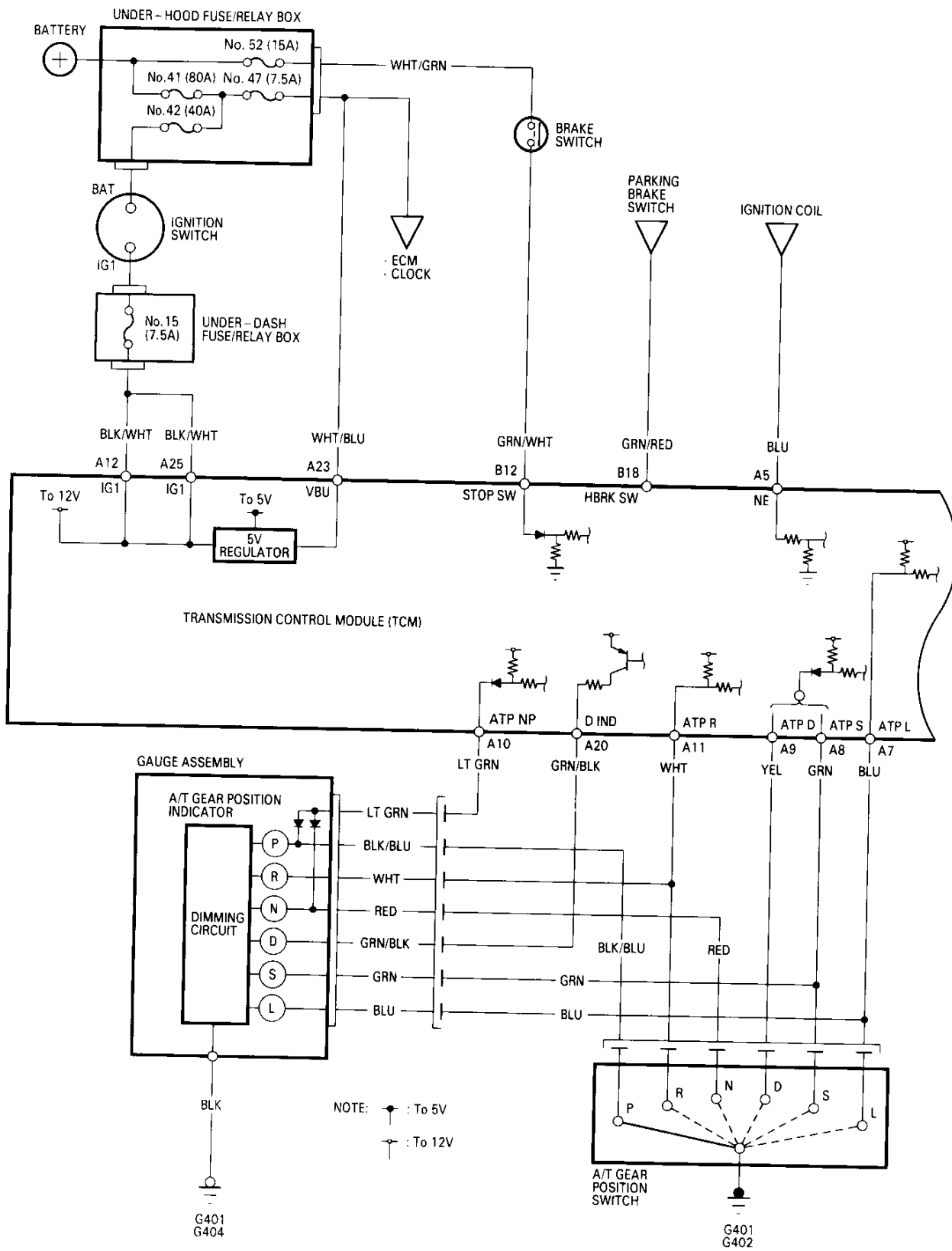
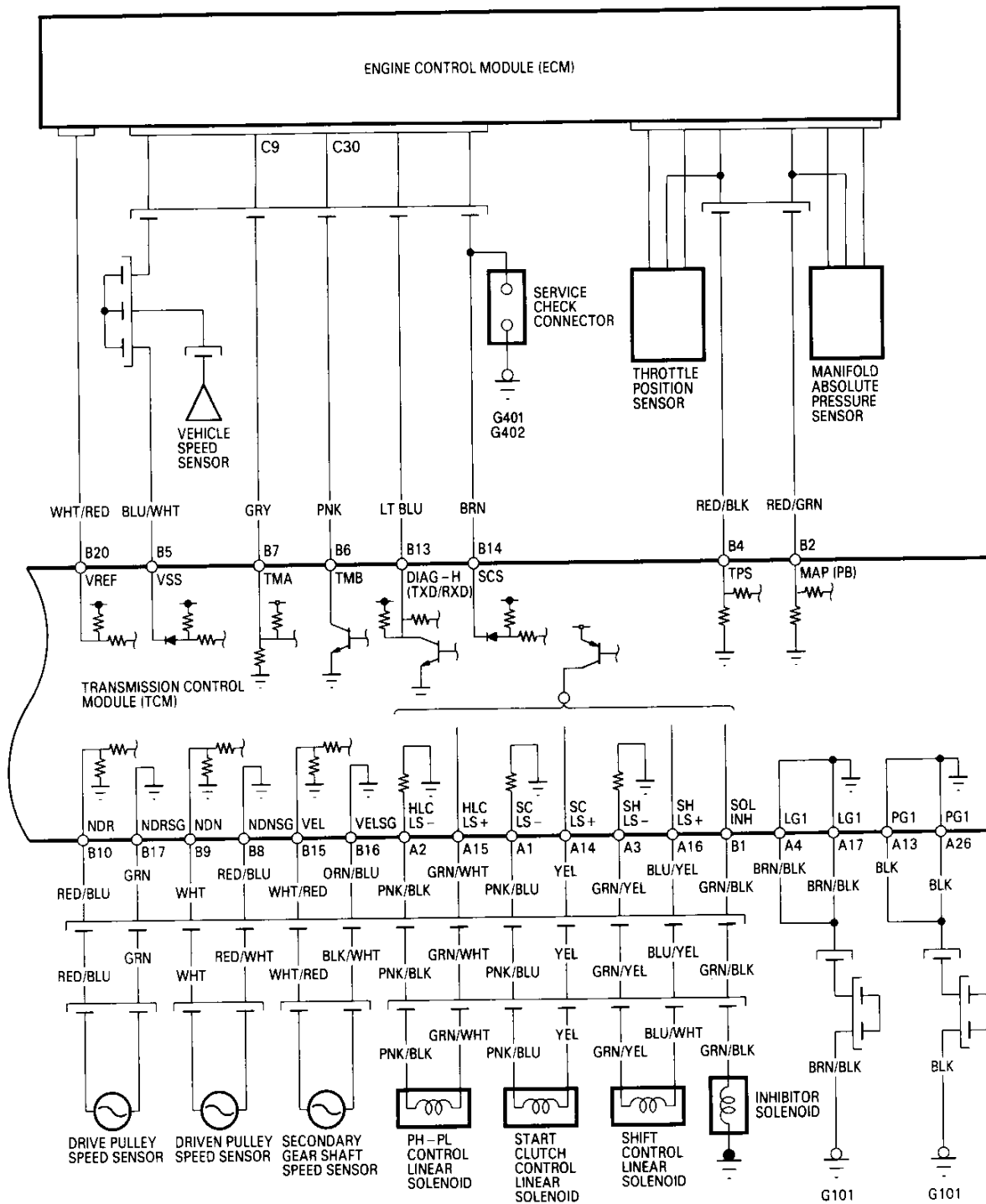
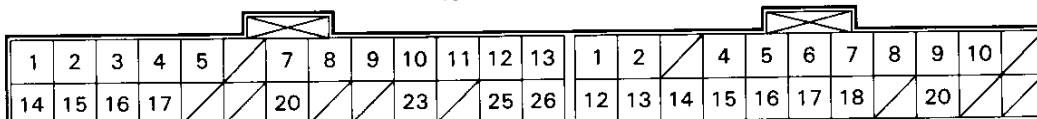


# TCM Circuit Diagram ('96 - 98 Models)





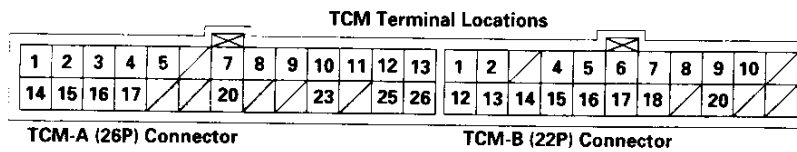
TCM Terminal Locations



TCM - A (26P) Connector

TCM - B (22P) Connector

# TCM Terminal Voltage/Measuring Conditions ('96 – 98 Models)



## TCM CONNECTOR A (26P)

Terminal Number	Signal	Description	Measuring Conditions/Terminal Voltage
A1	SC LS-	Start clutch control linear solenoid power supply negative electrode	Engine idling, <b>P</b> position: Approx. 0.4 V
A2	HLC LS-	PH-PL control linear solenoid power supply negative electrode	Engine idling, <b>P</b> position: Approx. 0.7 V
A3	SH LS-	Shift control linear solenoid power supply negative electrode	Engine idling, <b>P</b> position: Approx. 0.8 V
A4	LG1	Ground	
A5	NE	Engine speed signal input	With engine running: Pulsing signal
A6	—	Not used	
A7	ATP L	A/T gear position switch <b>L</b> position signal input	In <b>L</b> position: 0 V In other than <b>L</b> position: Approx. 10 V
A8	ATP S	A/T gear position switch <b>S</b> position signal input	In <b>S</b> position: 0 V In other than <b>S</b> position: Approx. 10 V
A9	ATP D	A/T gear position switch <b>D</b> position signal input	In <b>D</b> position: 0 V In other than <b>D</b> position: Approx. 10 V
A10	ATP NP	A/T gear position switch <b>N</b> or <b>P</b> position signals input	In <b>N</b> or <b>P</b> position: 0 V In other than <b>N</b> or <b>P</b> position: Approx. 10 V
A11	ATP R	A/T gear position switch <b>R</b> position signal input	In <b>R</b> position: 0 V In other than <b>R</b> position: Approx. 10 V
A12	IG1	Power supply system	With ignition switch ON (II): Battery voltage With ignition switch OFF: 0 V
A13	PG1	Ground	
A14	SC LS+	Start clutch control linear solenoid power supply positive electrode	Engine idling, <b>P</b> position: Approx. 2.5 V
A15	HLC LS+	PH-PL control linear solenoid power supply positive electrode	Engine idling, <b>P</b> position: Approx. 5.0 V
A16	SH LS+	Shift control linear solenoid power supply positive electrode	Engine idling, <b>P</b> position: Approx. 6.0 V
A17	LG1	Ground	
A18	—	Not used	
A19	—	Not used	
A20	D IND	<b>D</b> indicator light control	When <b>D</b> indicator light comes on: Approx. 10 V When <b>D</b> indicator light OFF: 0 V
A21	—	Not used	
A22	—	Not used	
A23	VBU	Back-up power system	Always battery voltage
A24	—	Not used	
A25	IG1	Power supply system	With ignition switch ON (II): Battery voltage With ignition switch OFF: 0 V
A26	PG1	Ground	



### TCM CONNECTOR B (22P)

Terminal Number	Signal	Description	Measuring Conditions/Terminal Voltage
B1	SOL INH	Inhibitor solenoid control	With inhibitor solenoid ON: Battery voltage With inhibitor solenoid OFF: 0 V
B2	MAP (PB)	Manifold Absolute Pressure (MAP) sensor signal input	With ignition switch ON (II): Approx. 2.5 V With engine idling: Approx. 1.0 V (depending on engine speed)
B3	—	Not used	
B4	TPS	Throttle Position (TP) sensor signal input	With ignition switch ON (II) and throttle fully open: 4.14 – 4.82 V With ignition switch ON (II) and throttle fully closed: 0.44 – 0.56 V
B5	VSS	Vehicle Speed Sensor (VSS) signal input	With ignition switch ON (II) and rotating front wheels: 0 – 5 V cycle
B6	TMB	Data communication with ECM: Transmission control data output	With ignition switch ON (II): Pulsing signal
B7	TMA	Data communication with ECM: PGM-FI control data input	With ignition switch ON (II): Pulsing signal
B8	NDN SG	Driven pulley speed sensor ground	
B9	NDN	Driven pulley speed sensor signal input	In other than <b>N</b> and <b>P</b> position: Pulsing signal
B10	NDR	Drive pulley speed sensor signal input	In other than <b>N</b> and <b>P</b> position: Pulsing signal
B11	—	Not used	
B12	STOP SW	Brake switch signal input	With brake pedal depressed: Battery voltage With brake pedal released: 0 V
B13	DIAG-H (TXD/RXD)	Data communication: Diagnostic trouble code output	With ignition switch ON (II): Approx. 5.0 V
B14	SCS	Service check signal	With ignition switch ON (II) and service check connector open: Approx. 5 V With ignition switch ON (II) and service check connector connected with special tool: 0 V
B15	VEL	Secondary gear shaft speed sensor signal input	Depending on vehicle speed: Pulsing signal When vehicle is stopped: 0 V
B16	VEL SG	Secondary gear shaft speed sensor ground	
B17	NDR SG	Drive pulley speed sensor ground	
B18	HBRK SW	Parking brake switch signal input	With parking brake lever pulled: 0 V With parking brake lever released: Battery voltage
B19	—	Not used	
B20	VREF	+5 V reference	With ignition switch ON (II): Approx. 5 V
B21	—	Not used	
B22	—	Not used	