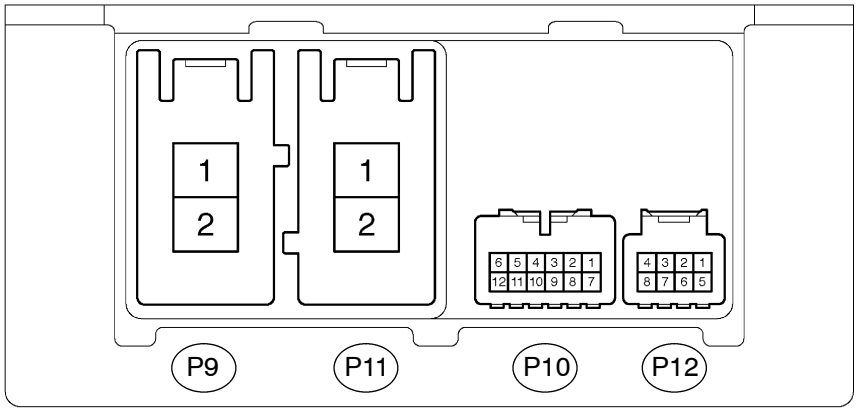
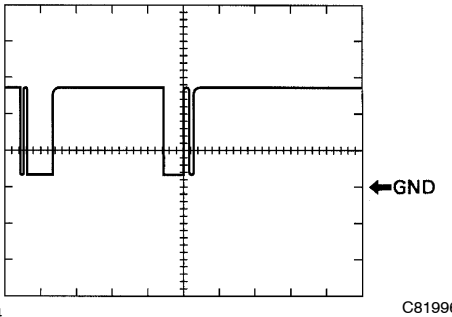
05IJT–02

TERMINALS OF ECU



N F44303

Symbols (Terminals No.)	Wiring Color	Terminal Description	Condition	Specified Condition
PIG (P9–1) – PGND (P9–2)	W – W–B	EPS fuse	Always	10 to 16 V
PGND (P9–2) – Body ground	W–B – Body ground	Body ground	Always	Below 1 Ω
M1 (P11–1) – PGND (P9–2)	R – W–B	Power steering motor	• With power switch on (IG), turn the steering wheel to left • With power switch on (IG), turn the steering wheel to right	Below 1 V 10 to 16 V
M2 (P11–2) – PGND (P9–2)	B – W–B	Power steering motor	• With power switch on (IG), turn the steering wheel to left • With power switch on (IG), turn the steering wheel to right	10 to 16 V Below 1 V
CANH (P10–1) – CANL (P10–7)	B – W	CAN BUS	Power switch is off	108 to 132 Ω
SIL (P10–2) – PGND (P9–2)	W – W–B	DLC3	Communication is established by connecting the intelligent tester II to the DLC3	Pulse generation (See waveform 1)
IG (P10–6) – PGND (P9–2)	B – W–B	ECU–IG fuse	Power switch is on (IG)	10 to 16 V
TRQ1 (P12–5) – PGND (P9–2)	B – W–B	Torque sensor	With power switch on (IG), turn the steering wheel to left and right	0.3 to 4.7 V
TRQV (P12–6) – PGND (P9–2)	Y – W–B	Torque sensor	Power switch is on (IG)	7.5 to 8.5 V
TRQ2 (P12–7) – PGND (P9–2)	R – W–B	Torque sensor	With power switch on (IG), turn the steering wheel to left and right	0.3 to 4.7 V
TRQG (P12–8) – PGND (P9–2)	W – W–B	Torque sensor	Always	Below 1 Ω



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Waveform 1

Reference:

Terminal	SIL – Body ground
Tool setting	5 V/DIV, 1 ms/DIV
Condition	Communication is established by connecting the intelligent tester II to the DLC3