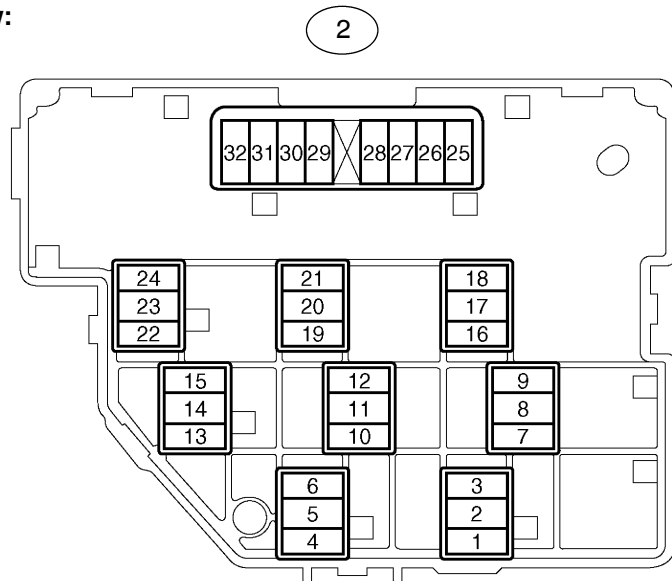


TERMINALS OF ECU

1. ENGINE ROOM NO.2 RELAY BLOCK

Engine Room No.2 Relay Block (Front Light ECU)

Connector Front View:



N

E70403

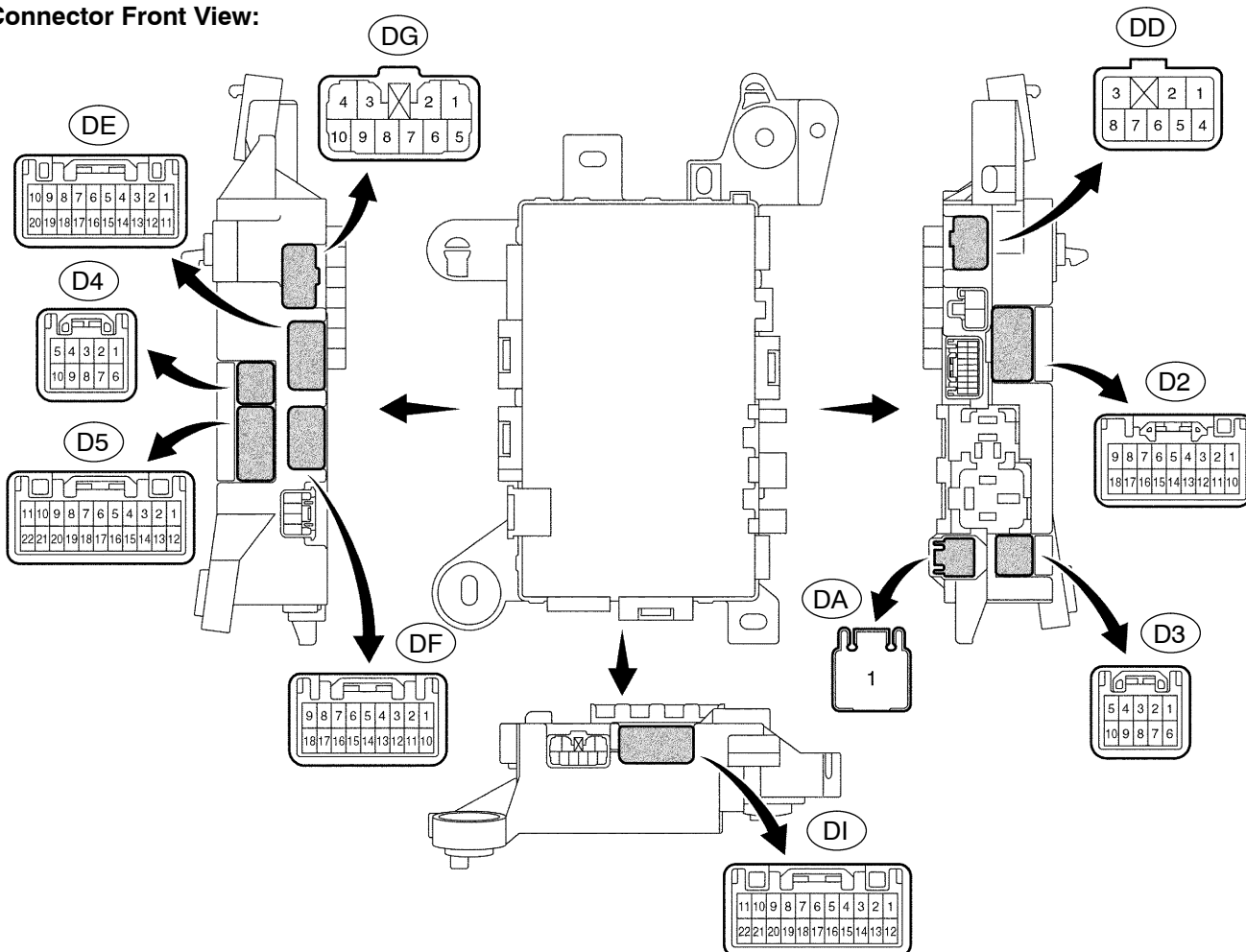
Symbols (Terminals No.)	Wiring Color	Terminal Description	Condition	Specified Condition
W+ (2-10) – E (2-25)	B-W – W-B	Front washer motor circuit (To washer motor)	•Front washer switch OFF •Front washer switch ON	•Below 1 V •10 to 14 V
FWAS (2-11) – E (2-25)	R-L – W-B	Front washer motor source circuit (From battery)	Always	10 to 14V
FRWA (2-12) – E (2-25) (*1)	P – W-B	Front washer motor operation signal circuit (To headlamp cleaner control relay)	•Front washer switch OFF •Front washer switch ON	•10 to 14V •Below 1 V
E (2-25) – Body ground	W-B – Body ground	Ground	Always	Below 1 V
WLVL (2-26) – E (2-25)	V – W-B	Washer level sensor sig- nal circuit	•Washer fluid level is low •Washer fluid level is full	•Below 1 V •10 to 14 V
FMB3 (2-29) – E (2-25)	R-B – W-B	Power source circuit (From battery)	Always	10 to 14V
FMIG (2-30) – E (2-25)	R-L – W-B	IG signal circuit (To ignition switch)	•Ignition switch ON •Ignition switch OFF	•10 to 14V •Below 1 V
MPX2 (2-31) – E (2-25)	V-G – W-B	Multiplex communication signal circuit	Ignition switch ON	Signal waveform
MPX1 (2-32) – E (2-25)	V-G – W-B	Multiplex communication signal circuit	Ignition switch ON	Signal waveform

*1: w/ headlamp Cleaner

2. LHD: DRIVER SIDE JUNCTION BLOCK

Driver Side Junction Block (Driver side J/B ECU)

Connector Front View:



P

E72878

Symbols (Terminals No.)	Wiring Color	Terminal Description	Condition	Specified Condition
PANEL1, B/ANC (DA-1) – GND (DG-8)	B-W – W-B	Power source circuit (From battery)	Always	10 to 14 V
IG (DF-4) – GND (DG-8)	R-W – W-B	IG signal circuit (To ignition switch)	- Ignition switch OFF - Ignition switch ON	- Below 1 V 10 to 14 V
ACC (DG-7) – GND (DG-8)	W-G – W-B	ACC signal circuit (To ignition switch)	- Ignition switch OFF - Ignition switch ON	- Below 1 V 10 to 14 V
GND (DG-8) – Body ground	W-B – Body ground	Ground	Always	Below 1 V
HDLO (D2-6) – GND (DG-8) (*1)	L – W-B	Headlamp cleaner cancel signal (To headlamp cleaner control relay)	- Daytime running light is operated - Daytime running light is not operated	10 to 14 V - Below 1 V
MPX1 (D2-15) – GND (DG-8)	V-G – W-B	Multiplex communication signal circuit	Ignition switch ON	Signal waveform
MPX-B (D4-5) – GND (DG-8)	R-B – W-B	Multiplex communication power source circuit	Always	10 to 14 V

DIAGNOSTICS – WIPER AND WASHER SYSTEM

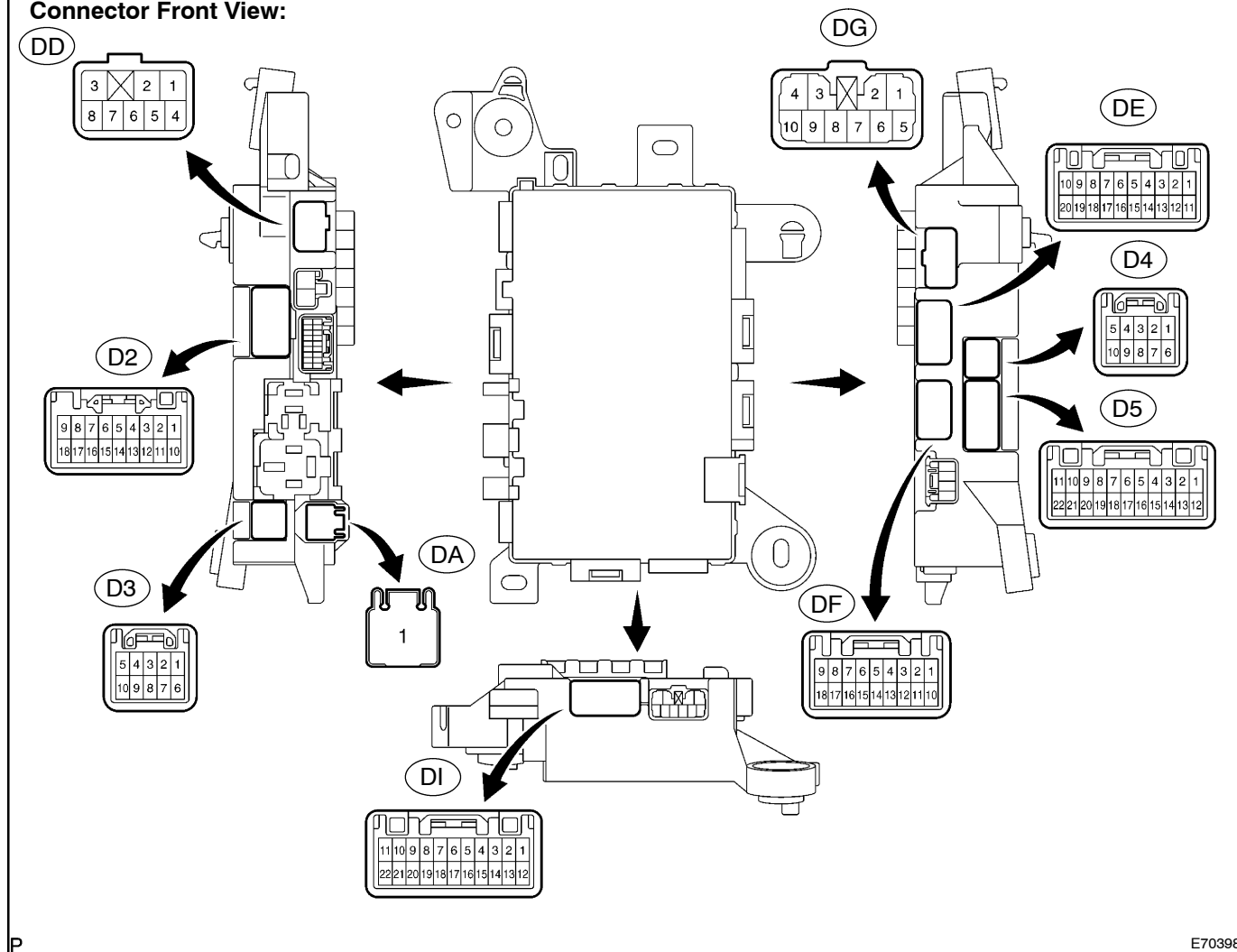
Symbols (Terminals No.)	Wiring Color	Terminal Description	Condition	Specified Condition
MPX3 (D4-6) – GND (DG-8)	R-L – W-B	Multiplex communication signal circuit	Ignition switch ON	Signal waveform
MPX2 (D4-7) – GND (DG-8)	V-G – W-B	Multiplex communication signal circuit	Ignition switch ON	Signal waveform
HDCL (D5-16) – GND (DG-8) (*1)	B-Y – W-B	Headlamp cleaner switch signal	• Light control switch OFF • Light control switch ON and headlamp cleaner switch ON	• 10 to 14 V • Below 1 V

*1: w/ Headlamp cleaner

3. RHD: DRIVER SIDE JUNCTION BLOCK

Driver Side Junction Block (Driver Side J/B ECU)

Connector Front View:



P

E70398

Symbols (Terminals No.)	Wiring Color	Terminal Description	Condition	Specified Condition
PANEL1, B/ANC (DA-1) – GND (DG-7)	B-W – W-B	Power source circuit (From battery)	Always	10 to 14 V
IG (DF-6) – GND (DG-7)	R-W – W-B	IG signal circuit (To ignition switch)	- Ignition switch OFF - Ignition switch ON	- Below 1 V 10 to 14 V
ACC (DG-8) – GND (DG-7)	W-G – W-B	ACC signal circuit (To ignition switch)	- Ignition switch OFF - Ignition switch ON	- Below 1 V 10 to 14 V
GND (DG-7) – Body ground	W-B – Body ground	Ground	Always	Below 1 V
HDLO (D2-6) – GND (DG-7) (*1)	L – W-B	Headlamp cleaner cancel signal (To headlamp cleaner control relay)	- Daytime running light is operated - Daytime running light is stopped	10 to 14 V - Below 1 V
MPX1 (D2-13) – GND (DG-7)	V-G – W-B	Multiplex communication signal circuit	Ignition Switch ON	Signal waveform
MPX-B (D4-1) – GND (DG-7)	R-B – W-B	Multiplex communication power source circuit	Always	10 to 14 V

DIAGNOSTICS – WIPER AND WASHER SYSTEM

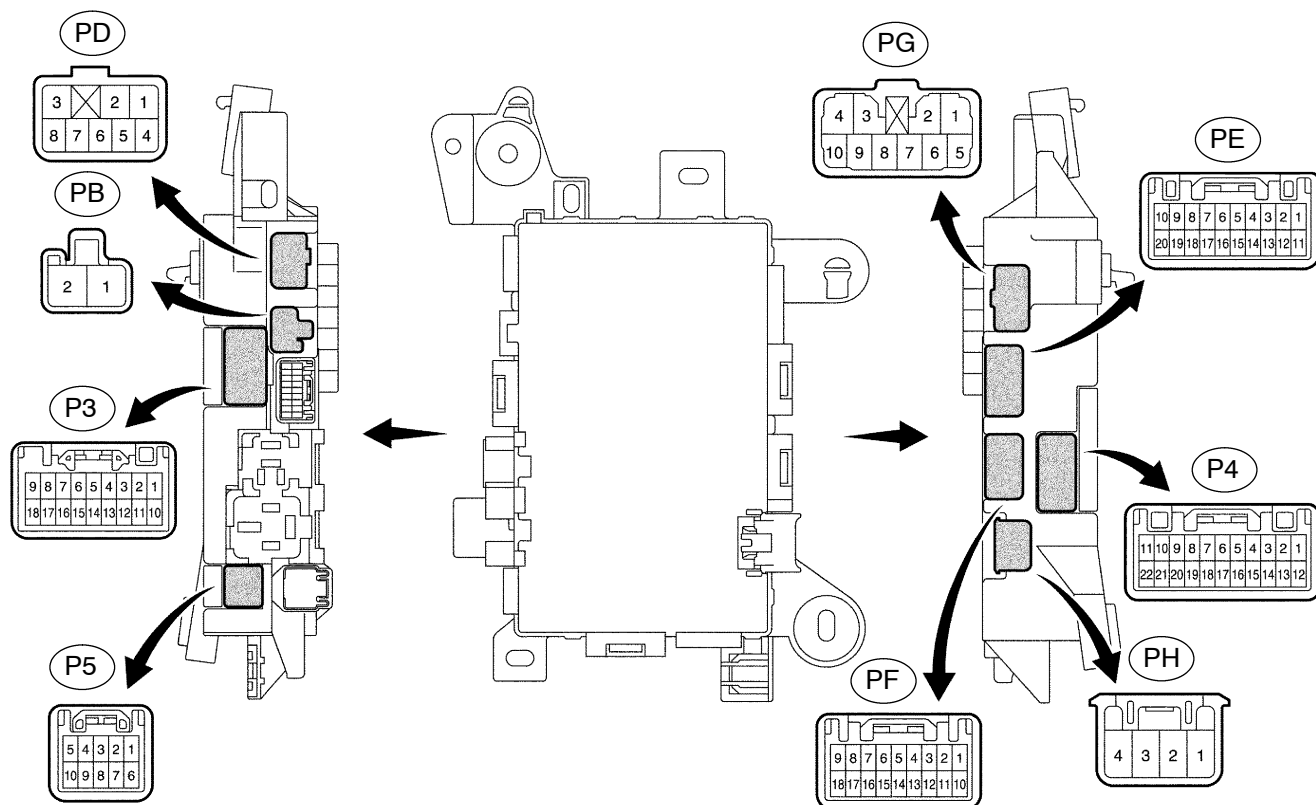
Symbols (Terminals No.)	Wiring Color	Terminal Description	Condition	Specified Condition
MPX3 (D4-6) – GND (DG-7)	V-G – W-B	Multiplex communication signal circuit	Ignition Switch ON	Signal waveform
MPX2 (D4-7) – GND (DG-7)	V-G – W-B	Multiplex communication signal circuit	Ignition Switch ON	Signal waveform
HDCL (D5-1) – GND (DG-7) (*1)	B-Y – W-B	Headlamp cleaner switch signal	• Light control switch OFF • Light control switch ON and headlamp cleaner switch ON	• 10 to 14 V • Below 1 V

*1: w/ Headlamp cleaner

4. LHD: PASSENGER SIDE JUNCTION BLOCK

Passenger Side Junction Block (Passenger Side J/B ECU)

Connector Front View:



P

E72879

Symbols (Terminals No.)	Wiring Color	Terminal Description	Condition	Specified Condition
MPX-B (PB-1) – GND (PG-8)	R-L – W-B	Multiplex communication power source circuit	Always	10 to 14 V
WIP (PD-6) – GND (PG-8)	B-R – W-B	Wiper motor power source circuit (To wiper motor)	- Ignition switch OFF - Ignition switch ON	- Below 1 V 10 to 14 V
WIP (PD-7) – GND (PG-8)	L – W-B	Ignition signal (To IG relay)	- Ignition switch OFF - Ignition switch ON	- Below 1 V 10 to 14 V
MPX-IG (PE-3) – GND (PG-8)	R-L – W-B	Multiplex communication IG signal circuit	- Ignition switch OFF - Ignition switch ON	- Below 1 V 10 to 14 V
ACC (PF-8) – GND (PG-8)	W-G – W-B	Ignition switch ACC signal (To ignition switch)	- Ignition switch OFF - Ignition switch in ACC	- Below 1 V 10 to 14 V
GND (PG-8) – Body ground	W-B – Body ground	Ground	Always	Below 1 V
AIRBAG (PH-2) – GND (PG-8)	R-L – W-B	Multiplex communication signal	Ignition switch ON	Signal waveform

DIAGNOSTICS – WIPER AND WASHER SYSTEM

Symbols (Terminals No.)	Wiring Color	Terminal Description	Condition	Specified Condition
S/S (P3-1) – GND (PG-8)	P – W-B	Power source of wiper motor (To wiper motor)	• Wiper switch in LOW • Wiper switch in except LOW	• 10 to 14 V • Below 1 V
+2 (P3-2) – GND (PG-8)	L-R – W-B	Power source of wiper motor (To wiper motor)	• Wiper switch in HI • Wiper switch in except HI	• 10 to 14 V • Below 1 V
MPX-(P3-4) – GND (PG-8)	GR-B – W-B	Multiplex communication signal	Ignition switch ON	Signal waveform
PA3 (P3-6) – GND (PG-8) (*1)	Y-G – W-B	Variable motor position signal (To variable motor)	• Wiper is in minimum angle position • Wiper is in except minimum angle position	• 10 to 14 V • Below 1 V
PA2 (P3-7) – GND (PG-8) (*1)	R – W-B	Variable motor position signal (To variable motor)	• Wiper is in raise-up position • Wiper is in except raise-up position	• 10 to 14 V • Below 1 V
S/M (P3-9) – GND (PG-8)	B – W-B	Wiper motor operation signal (From wiper motor)	• Wiper is operated • Wiper is stopped	• 10 to 14 V • Below 1 V
M/B (P3-10) – GND (PG-8) (*1)	R-Y – W-B	Variable motor operation signal (To variable motor)	• Variable motor rotates in reverse direction (*2) • Variable motor is stopped	• 10 to 14 V • Below 1 V
M/F (P3-11) – GND (PG-8) (*1)	R-L – W-B	Variable motor operation signal (To variable motor)	• Variable motor rotates in regular direction (*3) • Variable motor is stopped	• 10 to 14 V • Below 1 V
PA1 (P3-18) – GND (PG-8) (*1)	R-B – W-B	Variable motor position signal (To variable motor)	• Wiper is in raise-up position • Wiper is in except raise-up position	• Below 1 V • 10 to 14 V
GND1 (P4-11) – GND (PG-8)	W-B – W-B	Ground	Always	Below 1 V
2S (P4-14) – GND (PG-8)	P – W-B	Wiper switch HI signal (To combination switch)	• Wiper switch in HI • Wiper switch in except HI	• Below 1 V • 10 to 14 V

*1: Europe

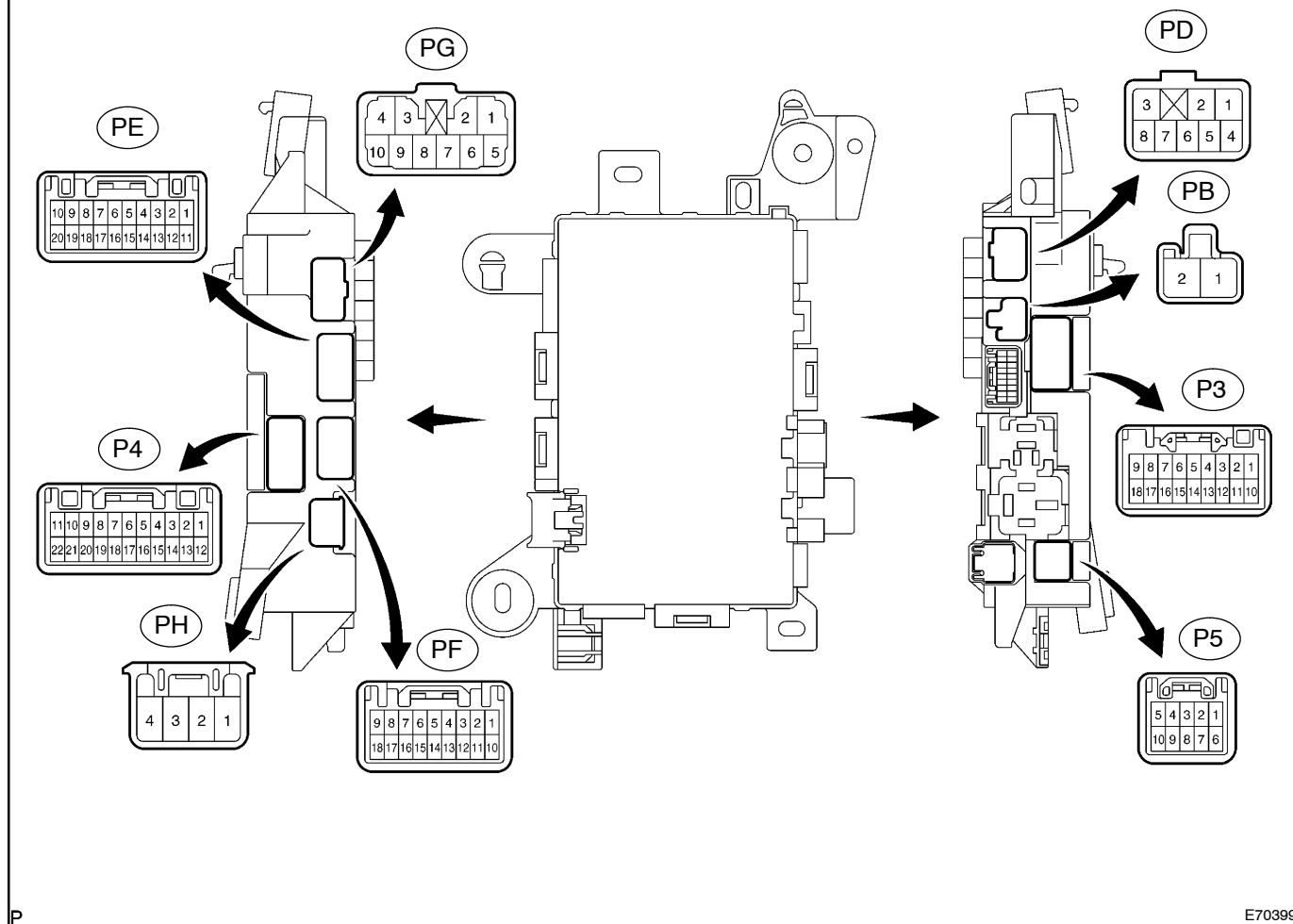
*2: Variable motor operates from the minimum position to the retract position via the raise-up position.

*3: Variable motor operates from the retract position to the minimum position via raise-up position.

5. RHD: PASSENGER SIDE JUNCTION BLOCK

Passenger Side Junction Block (Passenger Side J/B ECU)

Connector Front View:



P

E70399

Symbols (Terminals No.)	Wiring Color	Terminal Description	Condition	Specified Condition
MPX-B (PB-2) - GND (PG-7)	R-L - W-B	Multiplex communication power source circuit	Always	10 to 14 V
WIP (PD-6) - GND (PG-7)	B-R - W-B	Wiper motor power source circuit (To wiper motor)	- Ignition switch OFF - Ignition switch ON	- Below 1 V 10 to 14 V
WIP (PD-7) - GND (PG-7)	L - W-B	Ignition signal (To IG relay)	- Ignition switch OFF - Ignition switch ON	- Below 1 V 10 to 14 V
MPX-IG (PE-7) - GND (PG-7)	R-L - W-B	Multiplex communication IG signal circuit	- Ignition switch OFF - Ignition switch ON	- Below 1 V 10 to 14 V
ACC (PF-2) - GND (PG-7)	W-G - W-B	Ignition switch ACC signal (To ignition switch)	- Ignition switch OFF - Ignition switch ACC	- Below 1 V 10 to 14 V
GND (PG-7) - Body ground	W-B - Body ground	Ground	Always	Below 1 V
S/M (P3-1) - GND (PG-7)	B - W-B	Wiper motor operation signal (From wiper motor)	- Wiper is operated - Wiper is stopped	10 to 14 V - Below 1 V

DIAGNOSTICS – WIPER AND WASHER SYSTEM

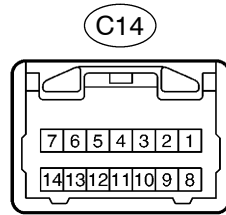
Symbols (Terminals No.)	Wiring Color	Terminal Description	Condition	Specified Condition
PA2 (P3-3) – GND (PG-7)	R – W-B	Variable motor position signal (To variable motor)	• Wiper is in raise-up position • Wiper is in except raise-up position	• 10 to 14 V • Below 1 V
PA3 (P3-4) – GND (PG-7)	Y-G – W-B	Variable motor position signal (To variable motor)	• Wiper is in minimum angle position • Wiper is in except minimum angle position	• 10 to 14 V • Below 1 V
MPX-(P3-6) – GND (PG-7)	GR-B – W-B	Multiplex communication signal	Ignition switch ON	Signal waveform
+2 (P3-8) – GND (PG-7)	L-R – W-B	Power source of wiper motor (To wiper motor)	• Wiper switch in HI • Wiper switch in except HI	• 10 to 14 V • Below 1 V
S/S (P3-9) – GND (PG-7)	P – W-B	Power source of wiper motor (To wiper motor)	• Wiper switch in LOW • Wiper switch in except LOW	• 10 to 14 V • Below 1 V
PA1 (P3-10) – GND (PG-7)	R-B – W-B	Variable motor position signal (To variable motor)	• Wiper is in raise-up position • Wiper is in except raise-up position	• Below 1 V • 10 to 14 V
M/F (P3-17) – GND (PG-7)	R-L – W-B	Variable motor operation signal (To variable motor)	• Variable motor rotates in regular direction (*1) • Variable motor is stopped	• 10 to 14 V • Below 1 V
M/B (P3-18) – GND (PG-7)	R-Y – W-B	Variable motor operation signal (To variable motor)	• Variable motor rotates in reverse direction (*2) • Variable motor is stopped	• 10 to 14 V • Below 1 V
GND1 (P4-1) – GND (PG-7)	W-B – W-B	Ground	Always	Below 1 V
2S (P4-20) – GND (PG-7)	W-G – W-B	Wiper switch HI signal (To combination switch)	• Wiper switch in HI • Wiper switch in except HI	• Below 1 V • 10 to 14 V

*1: Variable motor operates from the retract position to the minimum position via the raise-up position.

*2: Variable motor operates from the minimum position to the retract position via the raise-up position.

6. COMBINATION SWITCH

Combination Switch Connector Front View:



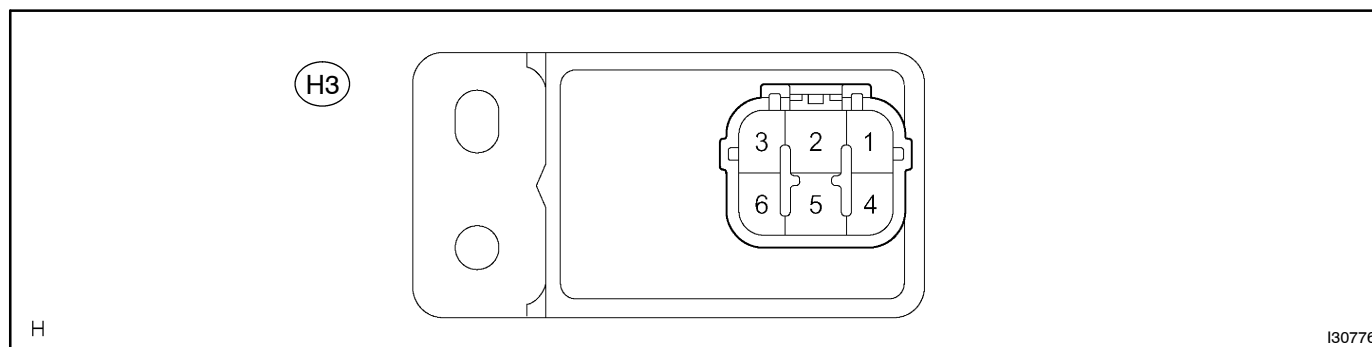
E50770

Symbols (Terminals No.)	Wiring Color	Terminal Description	Condition	Specified Condition
B (C14-1) – E (C14-8)	R-B – W-B	Power source circuit (From battery)	Always	10 to 14 V
IG (C14-2) – E (C14-8)	R-L – W-B	IG signal circuit (To ignition switch)	• Ignition switch OFF • Ignition switch ON	• Below 1 V • 10 to 14 V
2S (C14-3) – E (C14-8)	P – W-B (*1) W-G – W-B (*2)	Wiper switch HI signal	• Wiper switch in except HI • Wiper switch in HI	• 10 to 14 V • Below 1 V
E (C14-8) – Body ground	W-B – Body ground	Ground	Always	Below 1 V
MPX1 (C14-9) – E (C14-8)	V-G – W-B	Multiplex communication signal circuit	Ignition switch ON	Signal waveform
MPX2 (C14-10) – E (C14-8)	V-G – W-B	Multiplex communication signal circuit	Ignition switch ON	Signal waveform
TX1 (C14-11) – E (C14-8) (*1)	B-R – W-B	Back-up communication bus-circuit	Ignition switch ON	Signal waveform
TX+ (C14-11) – E (C14-8) (*2)	R – W-B	Back-up communication bus-circuit	Ignition switch ON	Signal waveform

*1: LHD

*2: RHD

7. HEADLAMP CLEANER CONTROL RELAY



Symbols (Terminals No.)	Wiring Color	Terminal Description	Condition	Specified Condition
IG (H3-1) - E (H3-5)	R-B - W-B	Ignition switch ON signal (Power source circuit)	- Ignition switch is OFF - Ignition switch is ON	- Below 1 V 10 to 14 V
PB (H3-2) - E (H3-5)	R-B - W-B	Headlamp cleaner motor operation signal	- Headlamp cleaner motor is stopped - Headlamp cleaner motor is operated	10 to 14 V - Below 1 V
HDLO (H3-3) - E (H3-5)	L - W-B	DRL system operation signal	- Daytime running light is not operated - Daytime running light is operated	- Below 1 V 10 to 14 V
H (H3-4) - E (H3-5)	L-B - W-B	Headlamp cleaner switch operation signal	- Headlamp cleaner switch is OFF - Headlamp switch is in HEAD and headlamp cleaner switch is ON	- Below 14 V 10 to 1 V
E (H3-5) - Body ground	W-B - Body ground	Body ground	Always	Below 1 V
FRWA (H3-6) - E (H3-5)	P - W-B	Front washer motor operation signal	- Front washer switch is OFF - Front washer switch is ON	10 to 14 V - Below 1 V