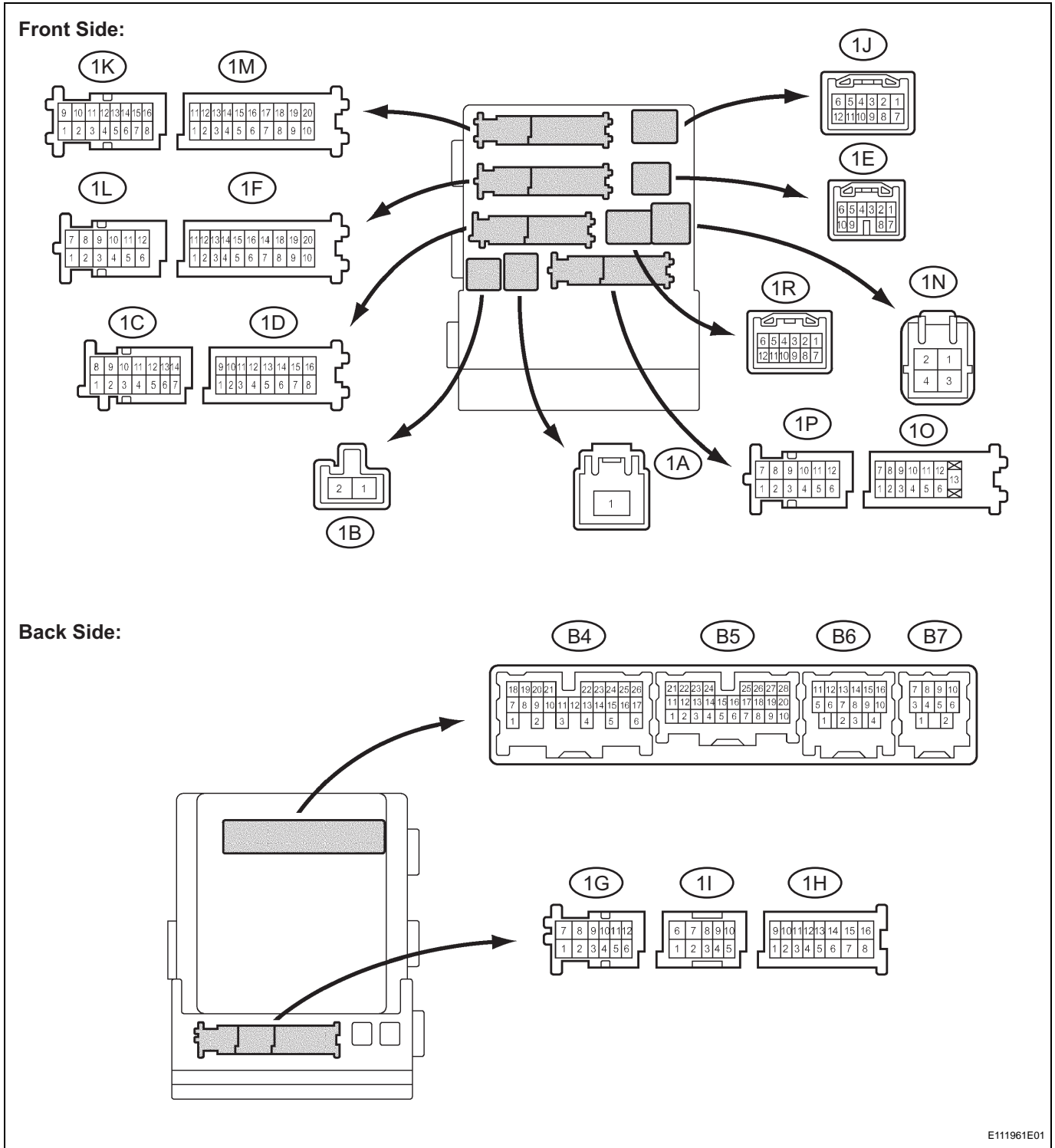


TERMINALS OF ECU

1. INSTRUMENT PANEL JUNCTION BLOCK ASSEMBLY (BODY ECU)



E111961E01

Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specified Condition
ACC, IG (1A-1) - GND1 (1F-10)	B - W-B (*2) B - W-B (*3)	Battery (Power source circuit)	Always	10 to 14 V
PKB (1C-14) - GND1 (1F-10)	LG - W-B	Parking brake switch	Parking brake is depressed	Below 1 V
PKB (1C-14) - GND1 (1F-10)	LG - W-B	Parking brake switch	Parking brake is released	10 to 14 V

Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specified Condition
HRLY (1D-3) - GND1 (1F-10)	GR - W-B	HEAD Relay (HEAD signal)	Light control switch is OFF or TAIL	10 to 14 V
HRLY (1D-3) - GND1 (1F-10)	GR - W-B	HEAD Relay (HEAD signal)	Light control switch is HEAD	Below 1 V
DRL (1D-9) - GND1 (1F-10)	P - W-B	DRL Relay (DRL signal)	Ignition switch is ON and engine is running	Below 1 V
DRL (1D-9) - GND1 (1F-10)	P - W-B	DRL Relay (DRL signal)	Ignition switch is OFF	10 to 14 V
BECU (1D-10) - GND1 (1F-10)	L-B - W-B	Battery (B+ circuit)	Always	10 to 14 V
ALTB (1D-16) - GND1 (1F-10)	W - W-B	Battery (ALT fuse)	Always	10 to 14 V
MPX1 (1E-7) - GND1 (1F-10)	BR - W-B	Multiplex communication	Ignition switch is OFF	Below 1 V
MPX1 (1E-7) - GND1 (1F-10)	BR - W-B	Multiplex communication	Ignition switch is ON	Signal waveform
BECU (1F-1) - GND1 (1F-10)	SB - W-B	Overhead ECU (B+ circuit)	Always	10 to 14 V
GND1 (1F-10) - Body ground	W-B - Body ground	Body ground	Always	Below 1 V
HRLY (1H-13) - GND1 (1F-10)	R - W-B	Headlight cleaner switch (HEAD signal)	Light control switch is OFF or TAIL	10 to 14 V
HRLY (1H-13) - GND1 (1F-10)	R - W-B	Headlight cleaner switch (HEAD signal)	Light control switch is HEAD	Below 1 V
ILE (1I-10) - GND1 (1F-10)	R - W-B	Key cylinder light (Illumination signal)	Ignition key cylinder light is OFF	10 to 14 V
ILE (1I-10) - GND1 (1F-10)	R - W-B	Key cylinder light (Illumination signal)	Ignition key cylinder light is ON	Below 1 V
TRLY (1L-3) - GND1 (1F-10)	Y - W-B	TAIL relay (TAIL signal)	Light control switch is OFF	Below 1 V
TRLY (1L-3) - GND1 (1F-10)	Y - W-B	TAIL relay (TAIL signal)	Light control switch is TAIL and fog light switch is ON	10 to 14 V
GND2 (1M-9) - GND1 (1F-10)	W-B - W-B	Body ground	Always	Below 1 V
HU (1N-2) - GND1 (1F-10)	G - W-B	Headlight dimmer switch (HIGH signal)	Headlight dimmer switch is LOW	10 to 14 V
HU (1N-2) - GND1 (1F-10)	G - W-B	Headlight dimmer switch (HIGH signal)	Headlight dimmer switch is HIGH	Below 1 V
LCTY (1O-7) - GND1 (1F-10)	B - W-B	Courtesy switch (Rear left door circuit)	Rear left door is open	Below 1 V
LCTY (1O-7) - GND1 (1F-10)	B - W-B	Courtesy switch (Rear left door circuit)	Rear left door is closed	Pulse generation (*1)
LSWL (1P-5) - GND1 (1F-10)	GR - W-B	Door lock position switch (Rear left door circuit)	Rear left door is in unlock position	Below 1 V
LSWL (1P-5) - GND1 (1F-10)	GR - W-B	Door lock position switch (Rear left door circuit)	Rear left door is in lock position	Pulse generation (*1)
ILE (1R-5) - GND1 (1F-10)	SB - W-B	Front interior illumination (Illumination signal)	Front interior light is OFF	10 to 14 V
ILE (1R-5) - GND1 (1F-10)	SB - W-B	Front interior illumination (Illumination signal)	Front interior light is ON	Below 1 V
MPX1 (1R-9) - GND1 (1F-10)	LG - W-B	Multiplex communication signal	Ignition switch is OFF	Below 1 V
MPX1 (1R-9) - GND1 (1F-10)	LG - W-B	Multiplex communication signal	Ignition switch is ON	Signal waveform
HDLO (B7-4) - GND1 (1F-10)	SB - W-B	Headlight cleaner relay (DRL signal)	Ignition switch is ON and engine is running	10 to 14 V
HDLO (B7-4) - GND1 (1F-10)	SB - W-B	Headlight cleaner relay (DRL signal)	Ignition switch is OFF	Below 1 V

Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specified Condition
FFGO (B7-7) - GND1 (1F-10)	LG - W-B	Front fog relay (Front fog circuit)	Front fog light is OFF	Below 1 V
FFGO (B7-7) - GND1 (1F-10)	LG - W-B	Front fog relay (Front fog circuit)	Front fog light is ON	10 to 14 V
DCYL (B6-13) - GND1 (1F-10)	SB - W-B	Courtesy light (Front left door circuit)	Front left courtesy light is OFF	10 to 14 V
DCYL (B6-13) - GND1 (1F-10)	SB - W-B	Courtesy light (Front left door circuit)	Front left courtesy light is ON	Below 1V
DCTY (B6-14) - GND1 (1F-10)	L - W-B	Courtesy switch (Front left door circuit)	Front left door is open	Below 1 V
DCTY (B6-14) - GND1 (1F-10)	L - W-B	Courtesy switch (Front left door circuit)	Front left door is closed	10 to 14 V
RCTY (B6-16) - GND1 (1F-10)	GR - W-B	Courtesy switch (Rear right door circuit)	Rear right door is open	Below 1 V
RCTY (B6-16) - GND1 (1F-10)	GR - W-B	Courtesy switch (Rear right door circuit)	Rear right door is closed	Pulse generation (*1)
CLTE (B4-4) - GND1 (1F-10)	LG - W-B	Automatic light control sensor (Ground circuit)	Always	Below 1 V
CLTS (B4-5) - GND1 (1F-10)	B - W-B	Automatic light control sensor (Signal circuit)	Ignition switch is ON	Below 1 V
CLTS (B4-5) - GND1 (1F-10)	B - W-B	Automatic light control sensor (Signal circuit)	Ignition switch is OFF	10 to 14 V
CLTB (B4-6) - GND1 (1F-10)	P - W-B	Automatic light control sensor (Power source circuit)	Ignition switch is OFF	10 to 14 V
CLTB (B4-6) - GND1 (1F-10)	P - W-B	Automatic light control sensor (Power source circuit)	Ignition switch is ON	Below 1 V
HF (B4-15) - GND1 (1F-10)	Y - W-B	Headlight dimmer switch (FLASH signal)	Headlight dimmer switch is OFF	10 to 14 V
HF (B4-15) - GND1 (1F-10)	Y - W-B	Headlight dimmer switch (FLASH signal)	Headlight dimmer switch is FLASH	Below 1 V
A (B4-16) - GND1 (1F-10)	BR - W-B	Light control switch (AUTO signal)	Light control switch is OFF	10 to 14 V
A (B4-16) - GND1 (1F-10)	BR - W-B	Light control switch (AUTO signal)	Light control switch is AUTO	Below 1 V
TAIL (B4-17) - GND1 (1F-10)	O - W-B	Light control switch (TAIL signal)	Light control switch is OFF	10 to 14 V
TAIL (B4-17) - GND1 (1F-10)	O - W-B	Light control switch (TAIL signal)	Light control switch is TAIL	Below 1 V
FFOG (B4-22) - GND1(1F-10)	P - W-B	Front fog light switch (Front fog light signal)	Fog light switch is OFF	10 to 14 V
FFOG (B4-22) - GND1(1F-10)	P - W-B	Front fog light switch (Front fog light signal)	Fog light switch is ON	Below 1 V
HEAD (B4-23) - GND1 (1F-10)	V - W-B	Light control switch (HEAD signal)	Light control switch is OFF	Below 1 V
HEAD (B4-23) - GND1 (1F-10)	V - W-B	Light control switch (HEAD signal)	Light control switch is HEAD	10 to 14 V
LSWR (B5-5) - GND1 (1F-10)	B - W-B	Door lock position switch (Rear right door circuit)	Rear right door is in unlock position	Below 1 V
LSWR (B5-5) - GND1 (1F-10)	B - W-B	Door lock position switch (Rear right door circuit)	Rear right door is in lock position	Pulse generation (*1)
CSPT (B5-14) - GND1 (1F-10)	G - W-B	Overhead illumination circuit	Overhead console illumination is OFF	10 to 14 V
CSPT (B5-14) - GND1 (1F-10)	G - W-B	Overhead illumination circuit	Overhead console illumination is ON	Below 1 V



Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specified Condition
FSPT (B5-15) - GND1 (1F-10)	LG - W-B	Step light, inside handle illumination circuit	Inside handle illumination and step light are OFF	10 to 14 V
FSPT (B5-15) - GND1 (1F-10)	LG - W-B	Step light, inside handle illumination circuit	Inside handle illumination and step light are ON	Below 1 V
MPX2 (B5-21) - GND1 (1F-10)	GR - W-B	Multiplex communication signal	Ignition switch is OFF	Below 1 V
MPX2 (B5-21) - GND1 (1F-10)	GR - W-B	Multiplex communication signal	Ignition switch is ON	Signal waveform
PCTY (B5-23) - GND1 (1F-10)	L - W-B	Courtesy switch (Front right door circuit)	Front right door is open	Below 1 V
PCTY (B5-23) - GND1 (1F-10)	L - W-B	Courtesy switch (Front right door circuit)	Front right door is closed	10 to 14 V
PCYL (B5-24) - GND1 (1F-10)	SB - W-B	Courtesy light (Front right door circuit)	Front right courtesy light is OFF	10 to 14 V
PCYL (B5-24) - GND1 (1F-10)	SB - W-B	Courtesy light (Front right door circuit)	Front right courtesy light is ON	Below 1 V
BCTY (B5-25) - GND1 (1F-10)	P - W-B	Courtesy switch (Back door circuit)	Back door is open	Below 1 V
BCTY (B5-25) - GND1 (1F-10)	P - W-B	Courtesy switch (Back door circuit)	Back door is closed	10 to 14 V
LSWP (B5-27) - GND1 (1F-10)	Y - W-B	Door lock position switch (Front light door circuit)	Front right door is in unlock position	Below 1 V
LSWP (B5-27) - GND1 (1F-10)	Y - W-B	Door lock position switch (Front light door circuit)	Front right door is in lock position	10 to 14 V

*2: w/ Air suspension system

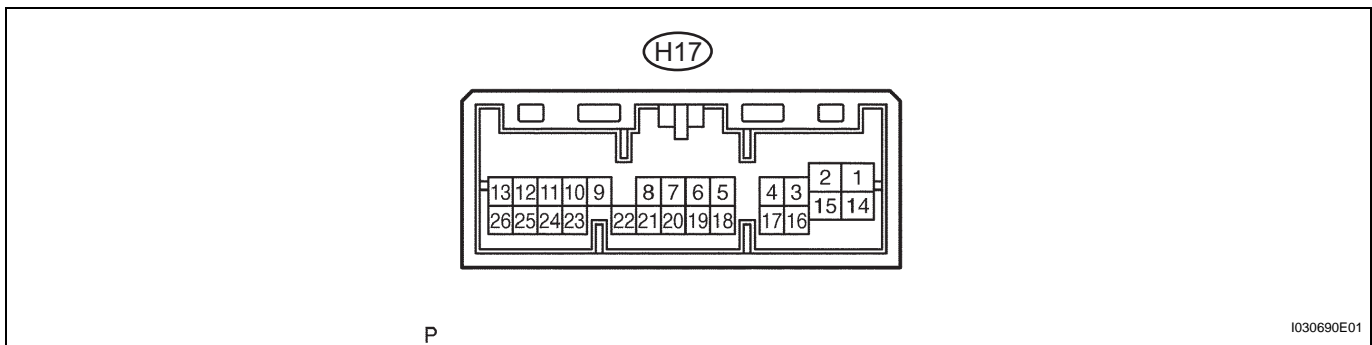
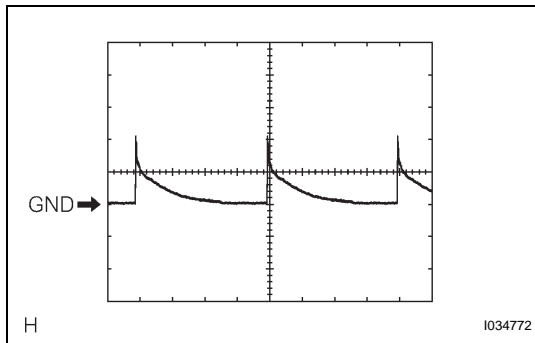
*3: w/o Air suspension system

(a) *1: Oscilloscope wave

HINT:

- Gauge set: 5 V/DIV. 5 ms/DIV
- Condition: Ignition switch ON

2. HEADLIGHT BEAM LEVEL CONTROL ECU

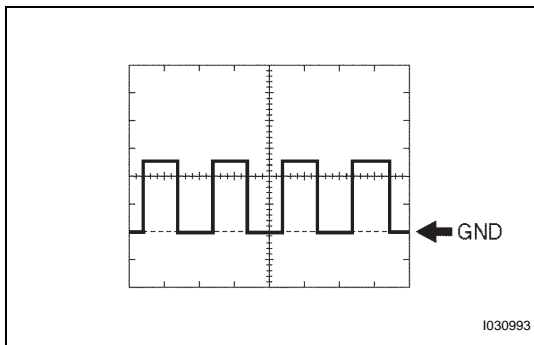


Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specified Condition
GND (H17-1) - Body ground	W-B - Body ground	Body ground	Always	Below 1 V
SPDL (H17-5) - GND (H17-1)	P - W-B	Skid control ECU (Vehicle speed signal)	Drive at about 30 km/h (19 mph)	Pulse generation (*1)
SPDR (H17-6) - GND (H17-1)	O - W-B	Skid control ECU (Vehicle speed signal)	Drive at about 30 km/h (19 mph)	Pulse generation (*1)

Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specified Condition
HDLP (H17-7) - GND (H17-1)	GR - W-B	Headlight relay (HEAD signal)	Light control switch is OFF	10 to 14 V
HDLP (H17-7) - GND (H17-1)	GR - W-B	Headlight relay (HEAD signal)	Light control switch is HEAD	Below 1 V
RHG (H17-9) - GND (H17-1)	B - W-B	Headlight beam control actuator RH	Always	Below 1 V
RH3 (H17-10) - GND (H17-1)	V - W-B	Headlight beam control actuator RH	Ignition switch is OFF	Below 1 V
RH3 (H17-10) - GND (H17-1)	V - W-B	Headlight beam control actuator RH	Engine running, light control switch in HEAD, vehicle stationary and bounced	Pulse generation (*2)
RH1 (H17-11) - GND (H17-1)	R - W-B	Headlight beam control actuator RH	Ignition switch is OFF	Below 1 V
RH1 (H17-11) - GND (H17-1)	R - W-B	Headlight beam control actuator RH	Engine running, light control switch in HEAD, vehicle stationary and bounced	Pulse generation (*2)
RH4 (H17-12) - GND (H17-1)	W - W-B	Headlight beam control actuator RH	Ignition switch is OFF	Below 1 V
RH4 (H17-12) - GND (H17-1)	W - W-B	Headlight beam control actuator RH	Engine running, light control switch in HEAD, vehicle stationary and bounced	Pulse generation (*2)
RH2 (H17-13) - GND (H17-1)	BR - W-B	Headlight beam control actuator RH	Ignition switch is OFF	Below 1 V
RH2 (H17-13) - GND (H17-1)	BR - W-B	Headlight beam control actuator RH	Engine running, light control switch in HEAD, vehicle stationary and bounced	Pulse generation (*2)
IG (H17-14) - GND (H17-1)	P - W-B	Ignition (Power source circuit)	Ignition switch OFF	Below 1 V
IG (H17-14) - GND (H17-1)	P - W-B	Ignition (Power source circuit)	Ignition switch ON	10 to 14 V
SGR (H17-16) - GND (H17-1)	V - W-B	Height control sensor signal	Always	Below 1 V
SHR (H17-18) - SGR (H17-16)	W - V	Height control sensor signal	Ignition switch OFF	Below 1 V
SHR (H17-18) - SGR (H17-16)	W - V	Height control sensor signal	Ignition switch ON, vehicle stationary and bounced	0.5 to 4.5 V
SBR (H17-20) - SGR (H17-16)	R - V	Height control sensor signal	Ignition switch OFF	Below 1 V
SBR (H17-20) - SGR (H17-16)	R - V	Height control sensor signal	Ignition switch ON	4.5 to 5.5 V
WNG (H17-21) - GND (H17-1)	LG - W-B	Combination meter (Indicator light circuit)	Headlight beam warning light goes off	10 to 14 V
WNG (H17-21) - GND (H17-1)	LG - W-B	Combination meter (Indicator light circuit)	Headlight beam warning light comes on	Below 1 V
LHG (H17-22) - GND (H17-1)	G - W-B	Headlight beam control actuator LH	Always	Below 1 V
LH3 (H17-23) - GND (H17-1)	Y - W-B	Headlight beam control actuator LH	Ignition switch OFF	Below 1 V
LH3 (H17-23) - GND (H17-1)	Y - W-B	Headlight beam control actuator LH	Engine running, light control switch in HEAD or DRL system ON, vehicle stationary and bounced	Pulse generation (*2)
LH1 (H17-24) - GND (H17-1)	O - W-B	Headlight beam control actuator LH	Ignition switch OFF	Below 1 V



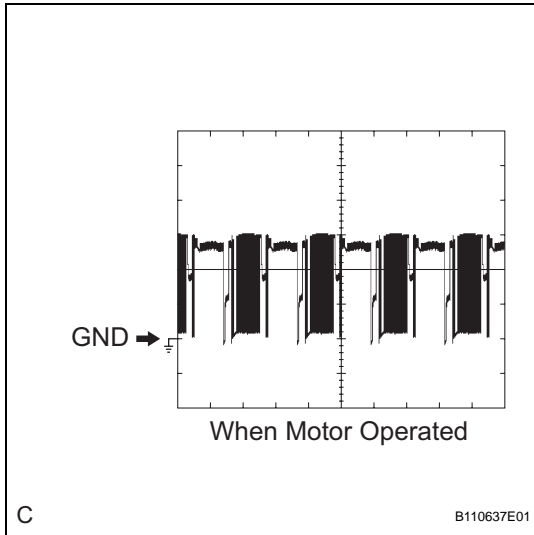
Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specified Condition
LH1 (H17-24) - GND (H17-1)	O - W-B	Headlight beam control actuator LH	Engine running, light control switch in HEAD or DRL system ON, vehicle stationary and bounced	Pulse generation (*2)
LH4 (H17-25) - GND (H17-1)	R - W-B	Headlight beam control actuator LH	Ignition switch OFF	Below 1 V
LH4 (H17-25) - GND (H17-1)	R - W-B	Headlight beam control actuator LH	Engine running, light control switch in HEAD or DRL system ON, vehicle stationary and bounced	Pulse generation (*2)
LH2 (H17-26) - GND (H17-1)	L-B - W-B	Headlight beam control actuator LH	Ignition switch OFF	Below 1 V
LH2 (H17-26) - GND (H17-1)	L-B - W-B	Headlight beam control actuator LH	Engine running, light control switch in HEAD or DRL system ON, vehicle stationary and bounced	Pulse generation (*2)



(a) *1: Oscilloscope wave

HINT:

- Terminal: SPDL - GND, SPDR - GND
- Gauge set: 5 V/DIV. 2 ms/DIV
- Condition: Drive at about 30 km/h (19 mph)



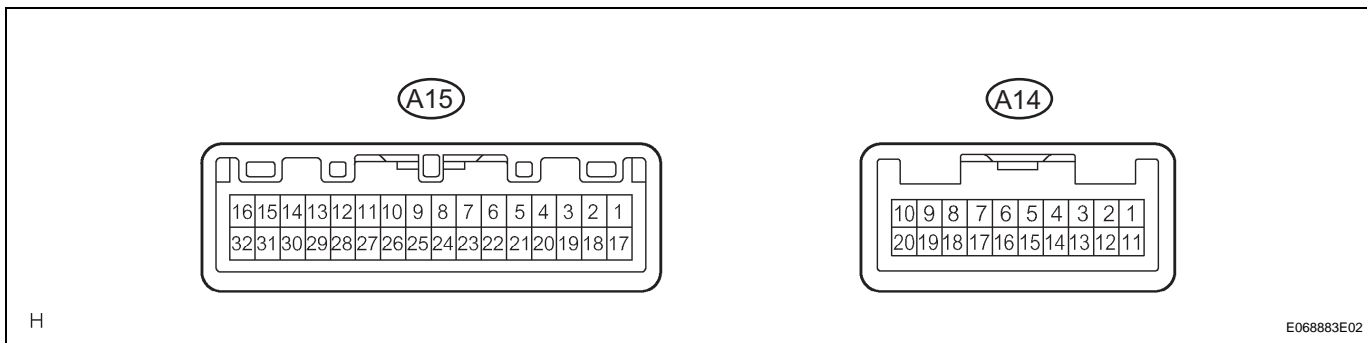
(b) *2: Oscilloscope wave

HINT:

- Terminal: RH1. RH2. RH3. RH4 - GND LH1. LH2. LH3. LH4 - GND
- Gauge set: 5 V/DIV. 10 ms/DIV
- Condition: The DRL system is on with the engine running or the light control switch is in the HEAD position when the vehicle is stationary or being bounced.

If the value is not within the standard range, some defects on the vehicle side are possible. Inspect the fuse, wire harness and connector.

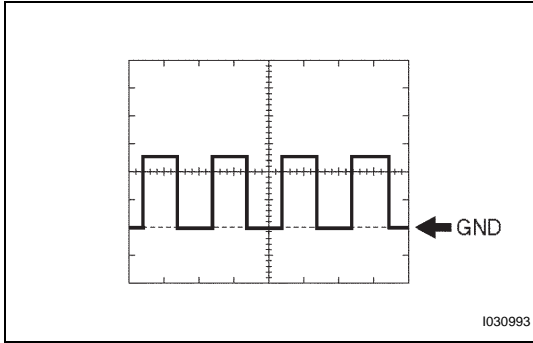
3. AFS ECU



Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specified Condition
E1 (A14-1) - Body ground	W-B - Body ground	Body ground	Always	Below 1 V
IG (A14-2) - E1 (A14-1)	P - W-B	Ignition switch (Power source circuit)	Ignition switch OFF	Below 1 V
IG (A14-2) - E1 (A14-1)	P - W-B	Ignition switch (Power source circuit)	Ignition switch ON	10 to 14 V
MSW (A14-4) - E1 (A14-1)	LG - W-B	AFS OFF switch	AFS OFF switch is not pressed	4.5 to 5.5 V
MSW (A14-4) - E1 (A14-1)	LG - W-B	AFS OFF switch	AFS OFF switch is pressed	Below 1 V
MPX1 (A14-5) - E1 (A14-1)	W - W-B	Multiplex communication signal	Ignition switch ON	Signal waveform
SS+ (A14-7) - SS- (A14-8)	LG - Y	Steering sensor	Engine idling, slowly turn steering wheel	Pulse generation
SHRL (A14-9) - SGR (A14-20)	GR - V	Height control ECU (Vehicle height signal)	Ignition switch OFF	Below 1 V (*3)
SHRL (A14-9) - SGR (A14-20)	W - V	Height control sensor rear RH (Vehicle height signal)	Ignition switch OFF	Below 1 V
SHRL (A14-9) - SGR (A14-20)	GR - V	Height control ECU (Vehicle height signal)	Ignition switch ON, vehicle stationary and bounced	0.5 to 4.5 V (*3)
SHRL (A14-9) - SGR (A14-20)	W - V	Height control sensor rear RH (Vehicle height signal)	Ignition switch ON, vehicle stationary and bounced	0.5 to 4.5 V (*4)
SBR (A14-10) - SGR (A14-20)	R - V	Height control ECU (Vehicle height signal)	Ignition switch OFF	Below 1 V (*3)
SBR (A14-10) - SGR (A14-20)	R - V	Height control sensor rear RH (Vehicle height signal)	Ignition switch OFF	Below 1 V (*4)
SBR (A14-10) - SGR (A14-20)	R - V	Height control ECU (Vehicle height signal)	Ignition switch ON	4.5 to 5.5 V(*3)
SBR (A14-10) - SGR (A14-20)	R - V	Height control sensor rear RH (Vehicle height signal)	Ignition switch ON	4.5 to 5.5 V(*4)
E1S (A14-11) - Body ground	W-B - Body ground	Body ground	Always	Below 1 V
IGS (A14-12) - E1 (A14-1)	P - W-B	Ignition switch (Signal power source)	Ignition switch OFF	Below 1 V
IGS (A14-12) - E1 (A14-1)	P - W-B	Ignition switch (Signal power source)	Ignition switch ON	10 to 14 V
WNG (A14-13) - E1 (A14-1)	B - W-B	Combination meter (Indicator light circuit)	AFS OFF indicator light goes off	10 to 14 V
WNG (A14-13) - E1 (A14-1)	B - W-B	Combination meter (Indicator light circuit)	AFS OFF indicator light comes on	Below 1 V
SGR (A14-20) - E1 (A14-1)	V - W-B	Height control ECU (Vehicle height signal)	Always	Below 1 V (*3)
SGR (A14-20) - E1 (A14-1)	V - W-B	Height control sensor rear RH (Vehicle height signal)	Always	Below 1 V (*4)
SHFL (A15-2) - SGR (A14-20)	G - V	Height control ECU (Vehicle height signal)	Ignition switch OFF	Below 1 V (*3)
SHFL (A15-2) - SGR (A14-20)	G - V	Height control ECU (Vehicle height signal)	Ignition switch ON, vehicle stationary and bounced	0.5 to 4.5 V (*3)
SPDL (A15-6) - E1 (A14-1)	P - W-B	Skid control ECU (Vehicle speed signal)	Drive at about 30 km/h (19 mph)	Pulse generation (*1)
SPDR (A15-7) - E1 (A14-1)	O - W-B	Skid control ECU (Vehicle speed signal)	Drive at about 30 km/h (19 mph)	Pulse generation (*1)
SBLR (A15-9) - SBGR (A15-10)	L - B	Headlight swivel ECU RH	Ignition switch OFF	Below 1 V

Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specified Condition
SBLR (A15-9) - SBGR (A15-10)	L - B	Headlight swivel ECU RH	Ignition switch ON	Signal waveform
IGSR (A15-12) - E1 (A14-1)	R - W-B	Headlight swivel ECU RH	Ignition switch OFF	Below 1 V
IGSR (A15-12) - E1 (A14-1)	R - W-B	Headlight swivel ECU RH	Ignition switch ON	10 to 14 V
LR1+ (A15-13) - E1 (A14-1)	B - W-B	Headlight leveling actuator RH	Ignition switch OFF	Below 1 V
LR1+ (A15-13) - E1 (A14-1)	B - W-B	Headlight leveling actuator RH	Engine running, light control switch in HEAD, vehicle stationary and bounced	Pulse generation (*2)
LR1- (A15-14) - E1 (A14-1)	LG - W-B	Headlight leveling actuator RH	Ignition switch OFF	Below 1 V
LR1- (A15-14) - E1 (A14-1)	LG - W-B	Headlight leveling actuator RH	Engine running, light control switch in HEAD, vehicle stationary and bounced	Pulse generation (*2)
LR2+ (A15-15) - E1 (A14-1)	V - W-B	Headlight leveling actuator RH	Ignition switch OFF	Below 1 V
LR2+ (A15-15) - E1 (A14-1)	V - W-B	Headlight leveling actuator RH	Engine running, light control switch in HEAD, vehicle stationary and bounced	Pulse generation (*2)
LR2- (A15-16) - E1 (A14-1)	W - W-B	Headlight leveling actuator RH	Ignition switch OFF	Below 1 V
LR2- (A15-16) - E1 (A14-1)	W - W-B	Headlight leveling actuator RH	Engine running, light control switch in HEAD, vehicle stationary and bounced	Pulse generation (*2)
SBLL (A15-25) - SBGL (A15-26)	P - BR	Headlight swivel ECU LH	Ignition switch OFF	Below 1 V
SBLL (A15-25) - SBGL (A15-26)	P - BR	Headlight swivel ECU LH	Ignition switch ON	Signal waveform
IGSL (A15-28) - E1 (A14-1)	Y - W-B	Headlight swivel ECU LH	Ignition switch OFF	Below 1 V
IGSL (A15-28) - E1 (A14-1)	Y - W-B	Headlight swivel ECU LH	Ignition switch ON	10 to 14 V
LL1+ (A15-29) - E1 (A14-1)	W - W-B	Headlight leveling actuator LH	Ignition switch OFF	Below 1 V
LL1+ (A15-29) - E1 (A14-1)	W - W-B	Headlight leveling actuator LH	Engine running, light control switch in HEAD, vehicle stationary and bounced	Pulse generation (*2)
LL1- (A15-30) - E1 (A14-1)	O - W-B	Headlight leveling actuator LH	Ignition switch OFF	Below 1 V
LL1- (A15-30) - E1 (A14-1)	O - W-B	Headlight leveling actuator LH	Engine running, light control switch in HEAD, vehicle stationary and bounced	Pulse generation (*2)
LL2+ (A15-31) - E1 (A14-1)	GR - W-B	Headlight leveling actuator LH	Ignition switch OFF	Below 1 V
LL2+ (A15-31) - E1 (A14-1)	GR - W-B	Headlight leveling actuator LH	Engine running, light control switch in HEAD, vehicle stationary and bounced	Pulse generation (*2)
LL2- (A15-32) - E1 (A14-1)	B - W-B	Headlight leveling actuator LH	Ignition switch OFF	Below 1 V

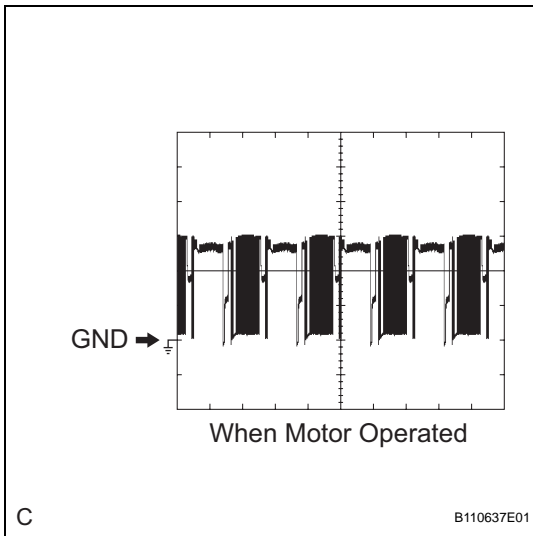
Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specified Condition
LL2- (A15-32) - E1 (A14-1)	B - W-B	Headlight leveling actuator LH	Engine running, light control switch in HEAD, vehicle stationary and bounced	Pulse generation (*2)
ESR (A15-11) - P GND (H10-4)	W-B - W-B	Headlight swivel ECU RH earth circuit	Always	Below 1 V (*4)
ESL (A15-11) - P GND (H6-4)	W-B - W-B	Headlight swivel ECU LH earth circuit	Always	Below 1 V (*4)



(a) *1: Oscilloscope wave

HINT:

- Terminal: SPDL - GND, SPDR - GND
- Gauge set: 5 V/DIV. 2 ms/DIV
- Condition: Drive at about 30 km/h (19 mph)

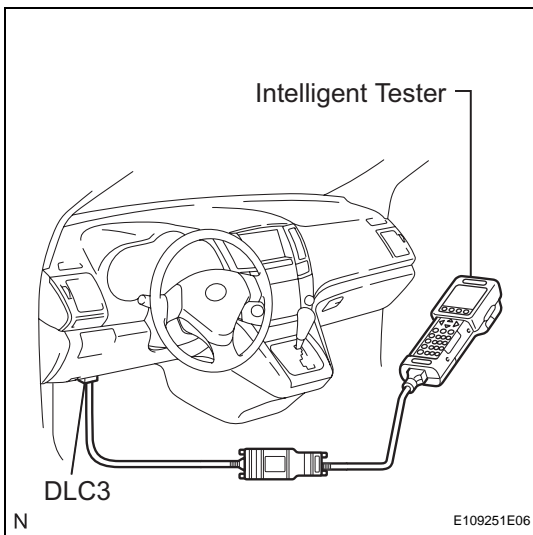


(b) *2: Oscilloscope wave

HINT:

- Terminal: LR1+. LR1-. LR2+. LH2- - GND LL1+. LL1-. LL2+ - GND
- Gauge set: 5 V/DIV. 10 ms / DIV
- Condition: The DRL system is on with the engine running or the light control switch is in the HEAD position when the vehicle is stationary or being bounced.

If the value is not within the standard range, some defects on the vehicle side are possible. Inspect the fuse, wire harness and connector.



DTC CHECK / CLEAR

1. DTC CHECK

- Connect the intelligent tester to the DLC3.
- Turn the ignition switch to the ON position.
- Read DTCs by following the prompts on the tester screen.

HINT:

Refer to the intelligent tester operator's manual for further details.

2. DTC CLEAR

- DTCs can be erased by operating the intelligent tester.

HINT:

Refer to the intelligent tester operator's manual for further details.