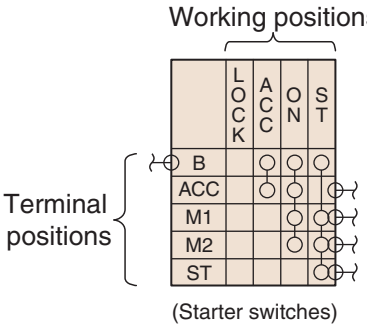
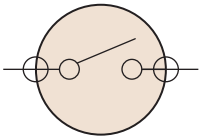
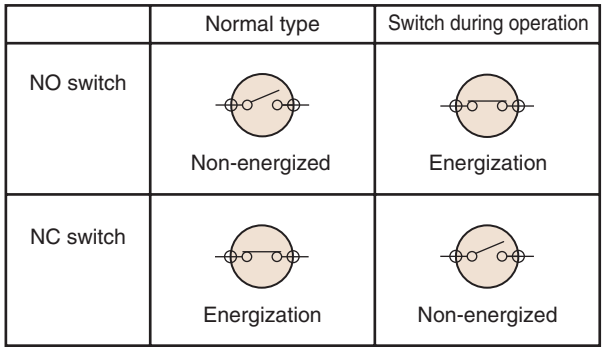
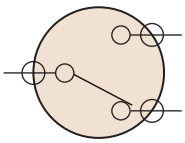
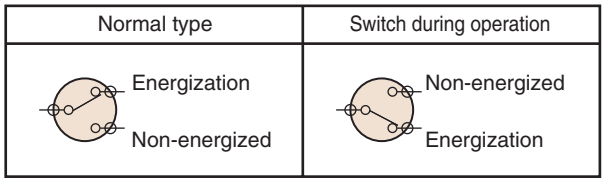
HOW TO USE THIS MANUAL

GRAPHICAL SYMBOLS FOR WIRING DIAGRAMS, ABBREVIATIONS AND TERMS

EN01J22ZZZ010708001001

The following symbols and abbreviations are used in this document.

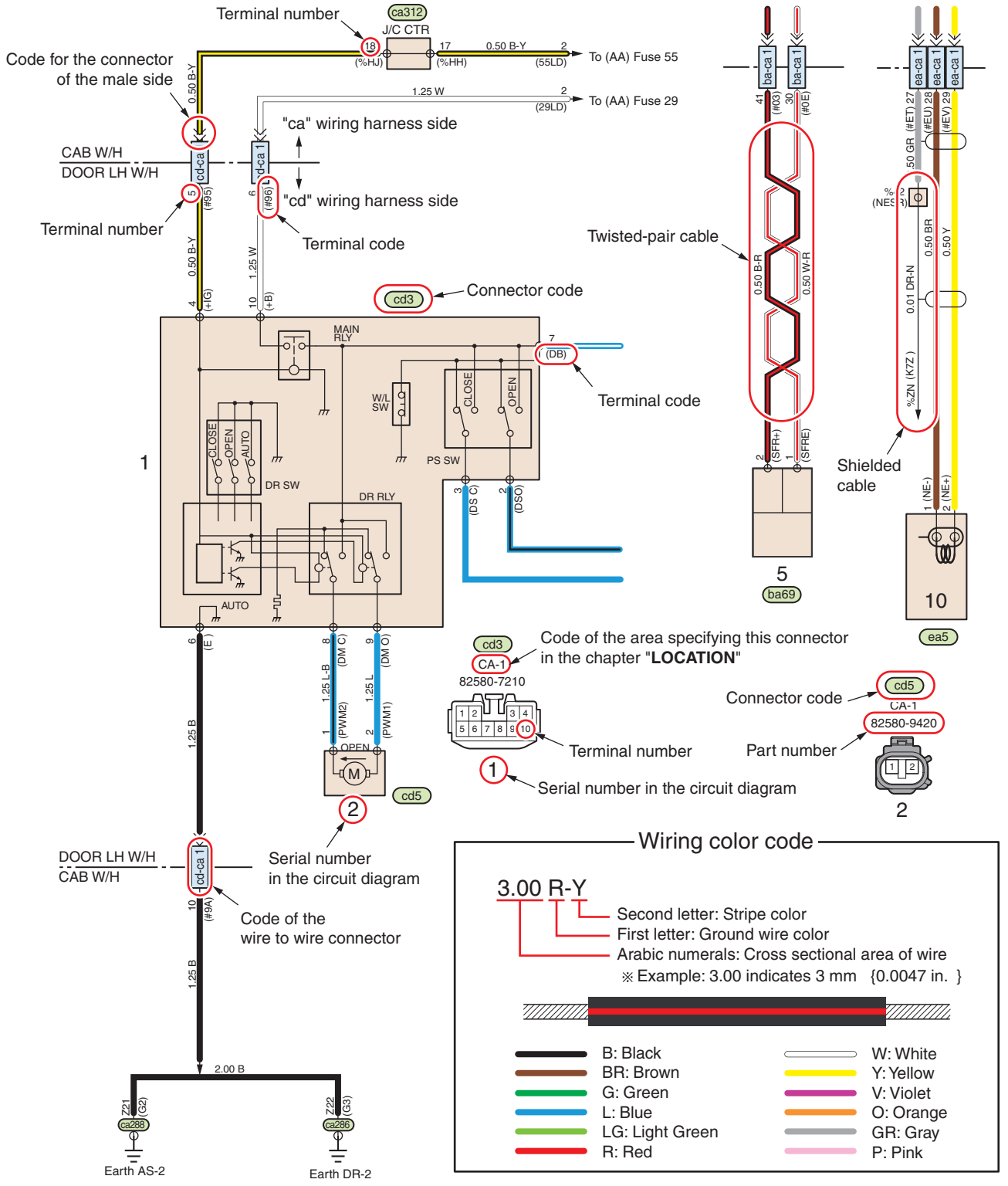
SYMBOLS

Symbols	Manual
	• Shows a connection in the internal circuit of a switch • For a switch, such as the starter switch, whose connection changes when operated, its relation of connection (continuity) is shown by a connecting wire. For example, if the starter key is in the "ACC" position as shown in the figure at left, the terminal ACC and B are connected.
	• **Lock type switch** There are the two types of lock type switches: the normal open switch (NO switch) and normal closed switch (NC switch). 
	• **Transfer type switch** Actuating the switch makes the circuit switch. 

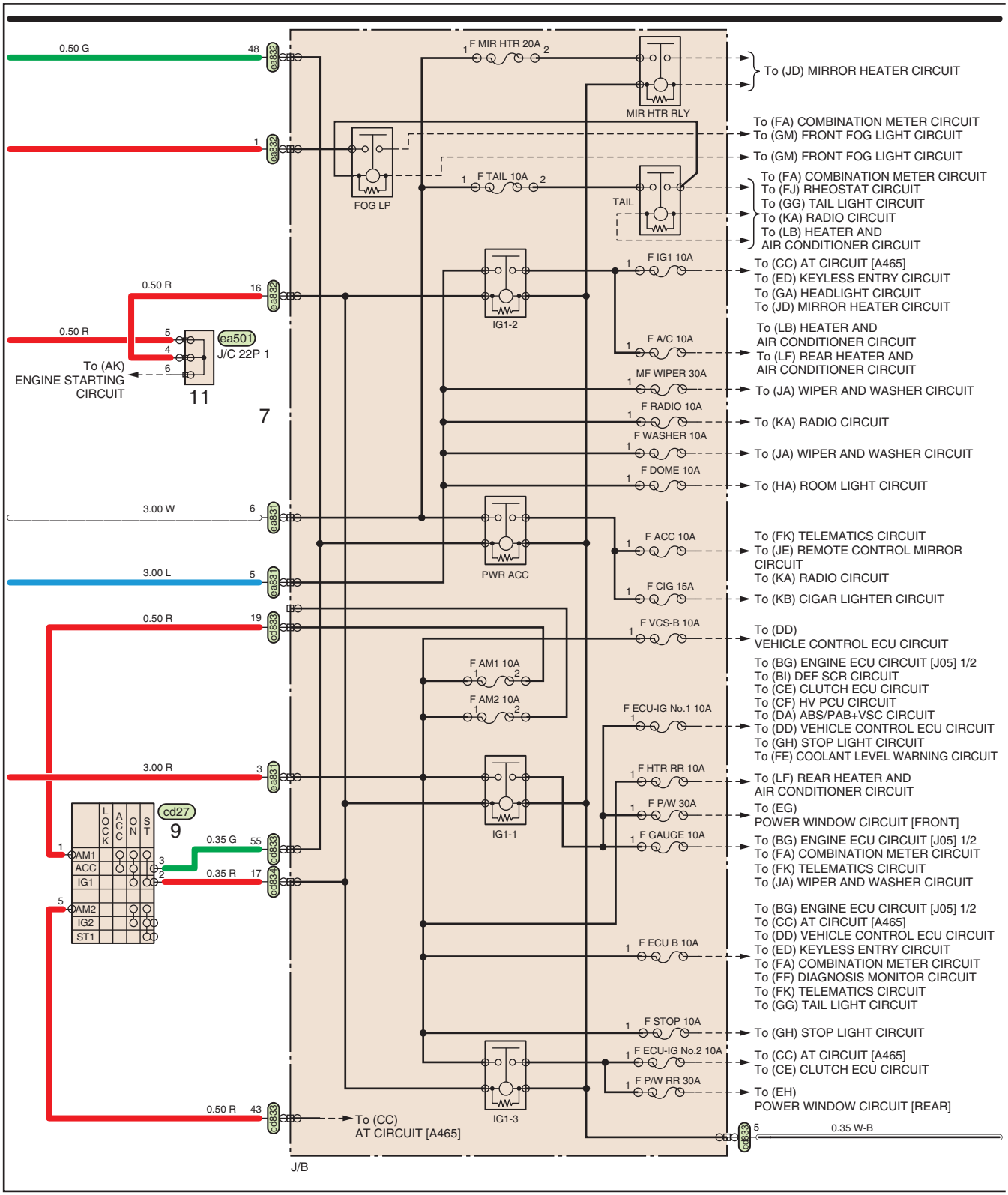
WIRING DIAGRAM

EN01J22ZZZ010708001002

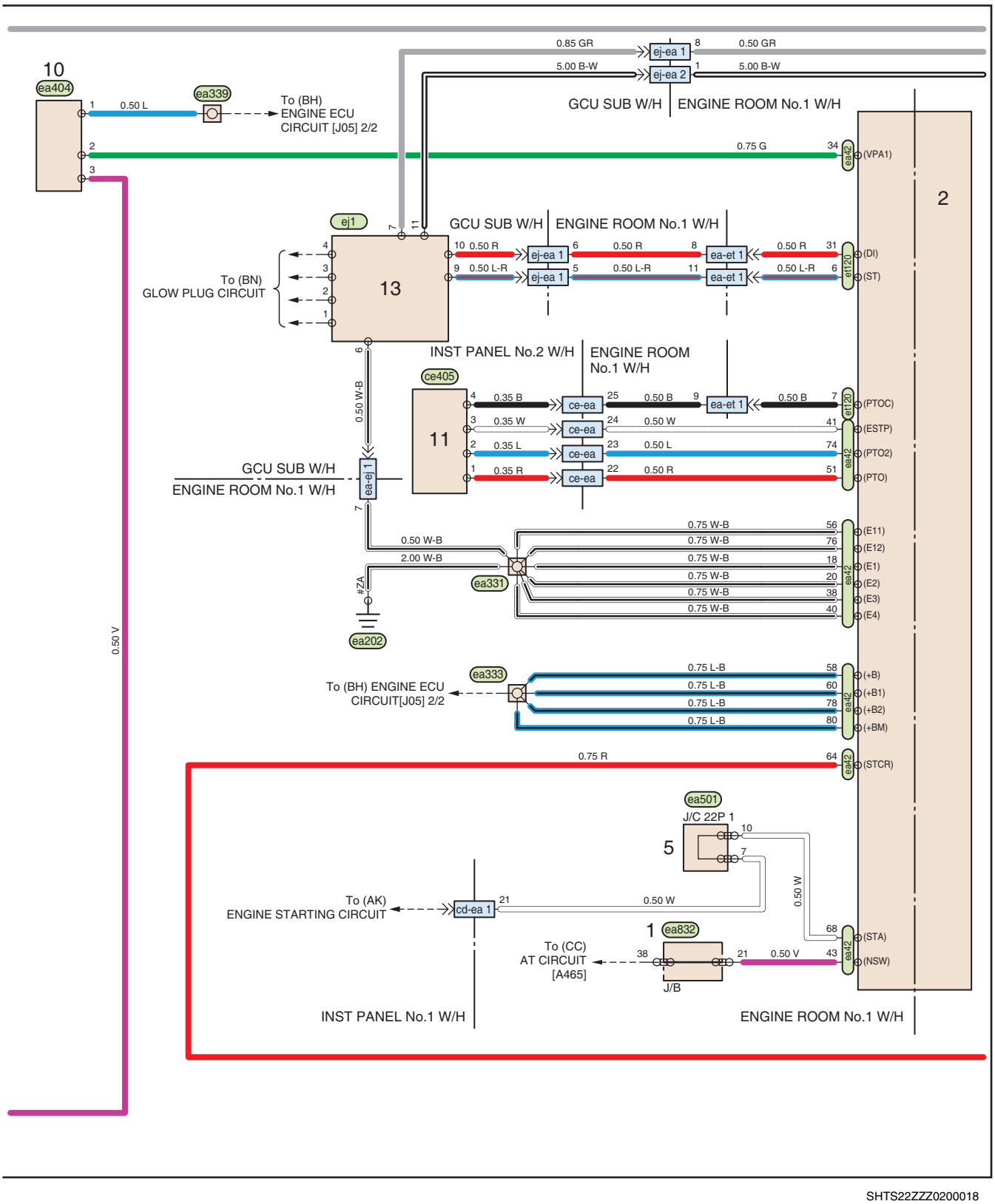
(EXAMPLE)



SHTS22ZZZ0100033



SHTS22ZZZ0200003

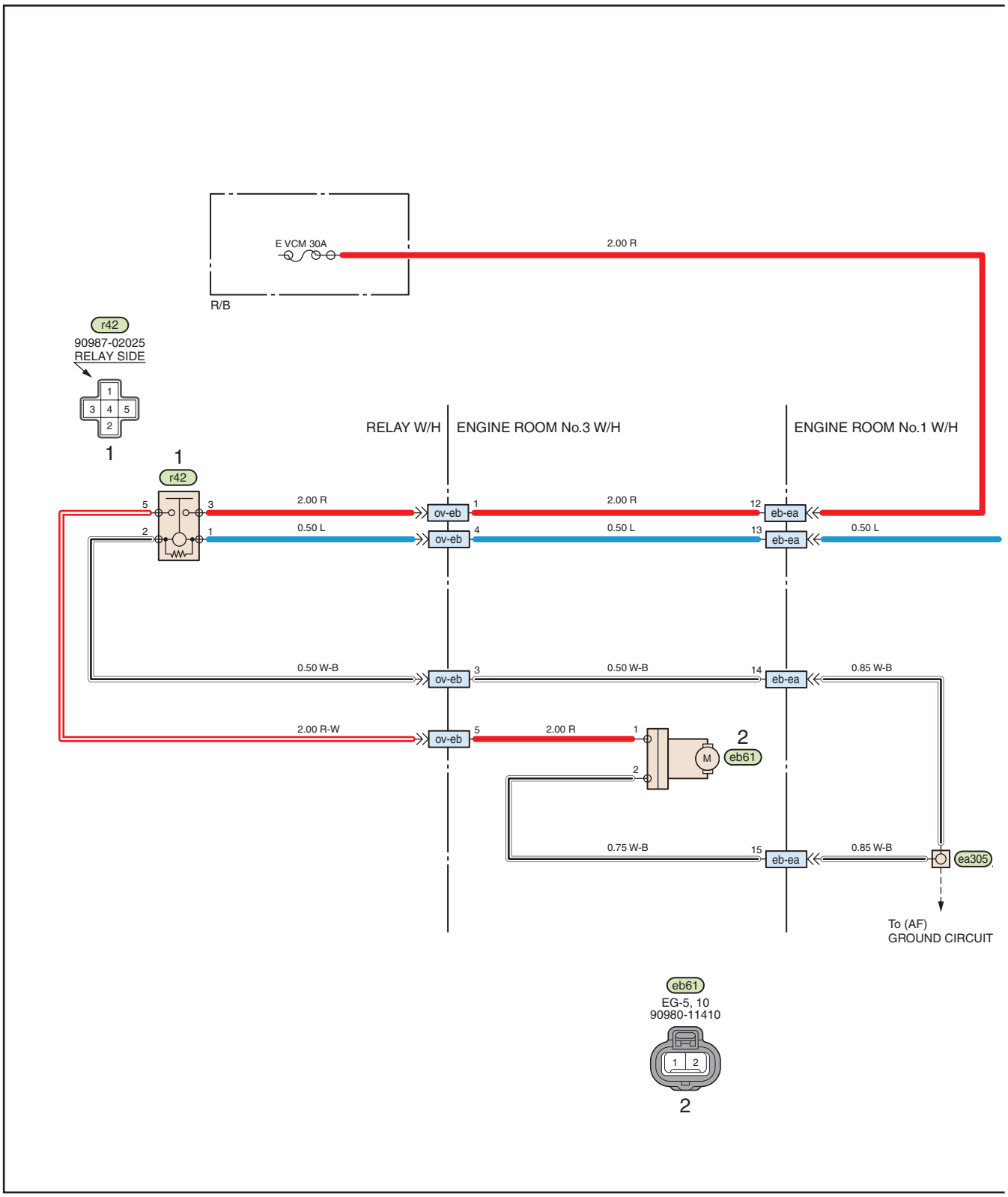


SHTS22ZZZ0200018

9. Diagnosis connector No.3
10. PTO Accelerator sensor
11. SIG Outlet No.2
12. Exhaust brake magnetic valve
13. Glow control unit
14. Starter cut relay
15. J/C RB 2

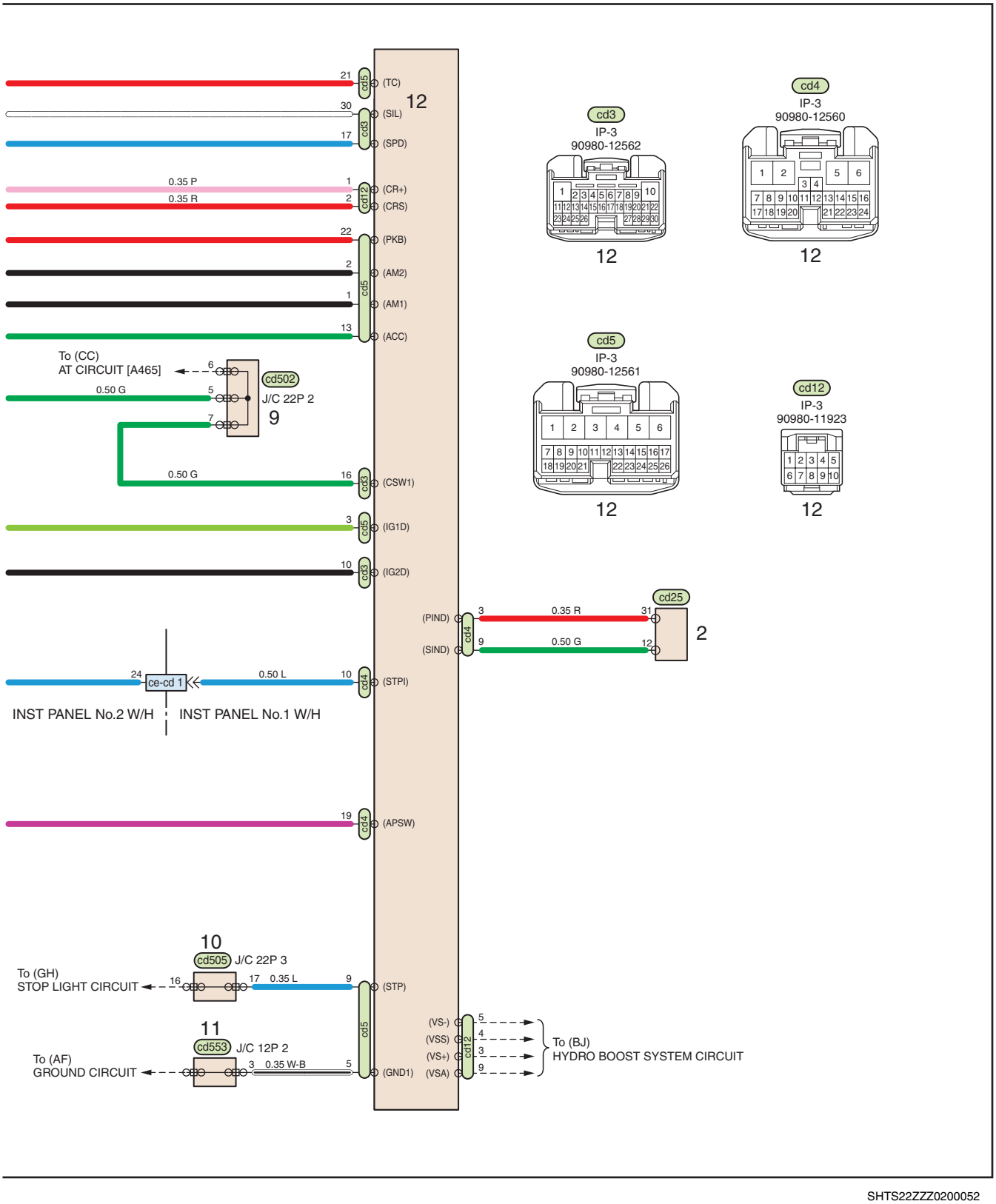
BJ. HYDRO BOOST SYSTEM CIRCUIT

EN01J22ZZZ020708001011



SHTS22ZZZ0200031

1. Vacuum pump relay
2. Vacuum pump
3. VCS ECU No.4
4. Sensor brake

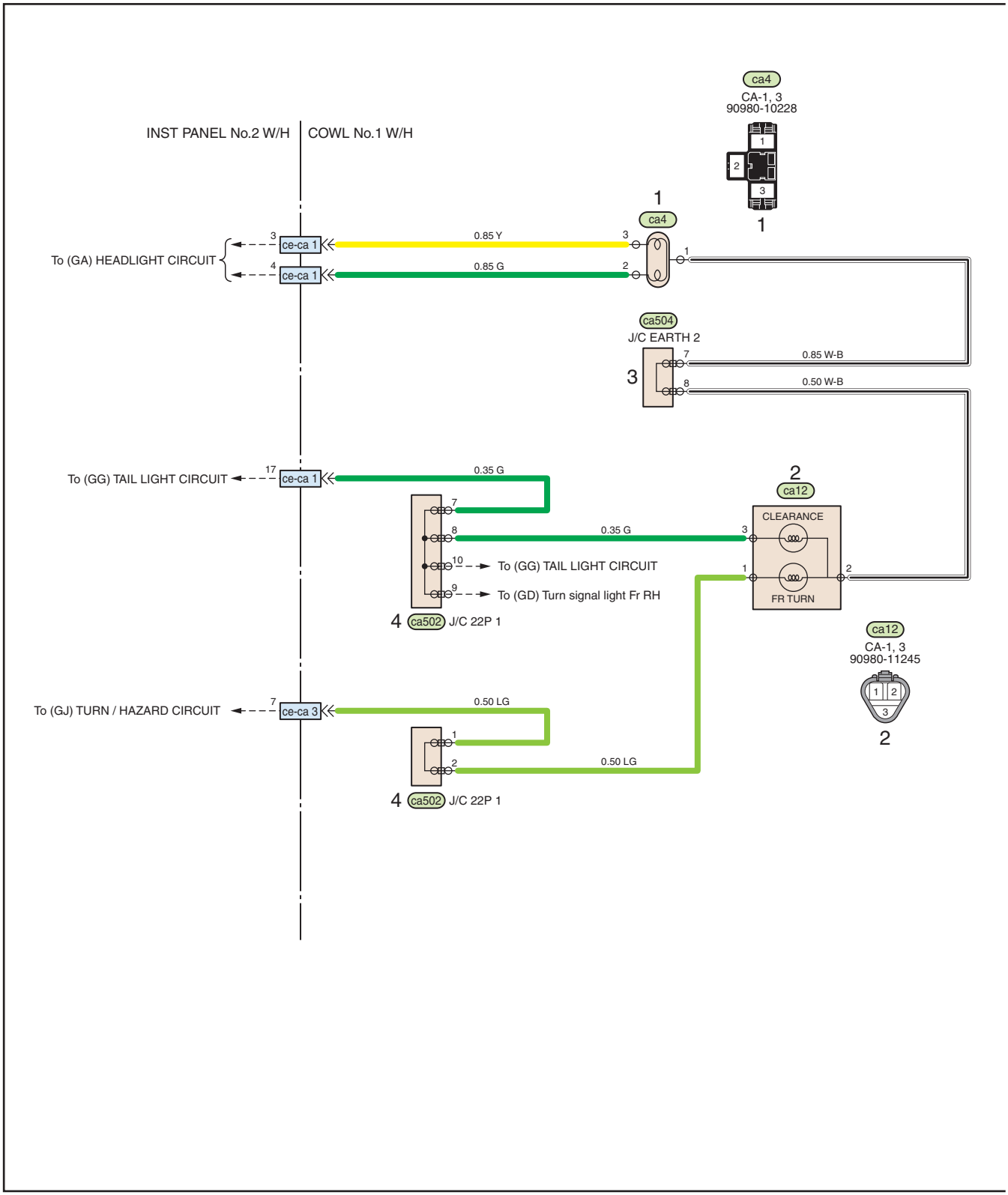


SHTS22ZZZ0200052

9. J/C 22P 2
10. J/C 22P 3
11. J/C 12P 2
12. VCS ECU

GD. HEADLIGHT SUB CIRCUIT

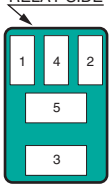
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SHTS22ZZZ0200081

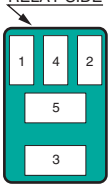
1. Headlight LH
2. Turn signal light Fr LH
3. J/C EARTH 2
4. J/C 22P 1
5. Headlight RH
6. Turn signal light Fr RH
7. Vacuum warning switch
8. J/C EARTH 1

r31
90987-04008
RELAY SIDE



1

r30
90987-04008
RELAY SIDE



2

ob1
IP-2
90980-11579



4

ob3
IP-2
90980-10463



5

ob2
IP-1
90980-11136



6

ob4
IP-2
82824-37U80



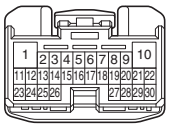
7

ob8
IP-2
90980-10789



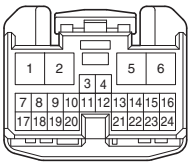
8

cd3
IP-3
90980-12562



11

cd4
IP-3
90980-12560



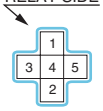
11

cd802
IP-3
90980-11608



13

ea862
90987-04010
RELAY SIDE



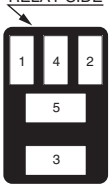
15

ea17
EG-1, 6
90980-11149



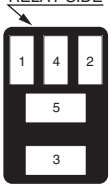
16

r2
90987-02012
RELAY SIDE



17

r4
90987-02012
RELAY SIDE



18

ea18
EG-1, 6
90980-10928



19

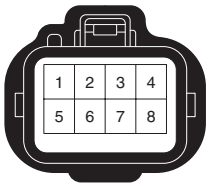
ea44
EG-1, 6
90980-11271



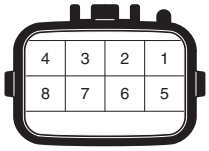
22

ea-ej 1 / ej-ea 1	Engine room No.1 wiring harness to GCU Sub wiring harness 1
BG, BN	EG-4, EG-9

90980-10891, Black, Female



90980-10890, Black, Male

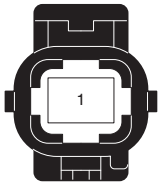


ea-ej 2 / ej-ea 2	Engine room No.1 wiring harness to GCU Sub wiring harness 2
BG, BN	EG-4, EG-9

90980-11184, Black, Female

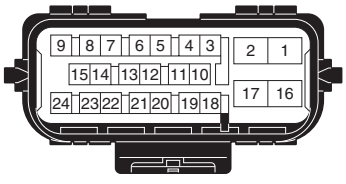


90980-11183, Black, Male

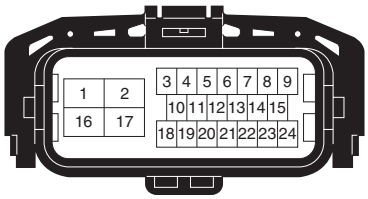


ea-eq / eq-ea	Engine room No.1 wiring harness to Engine No.1 wiring harness
AN, AO, BH, BI	EG-4, EG-5, EG-9, EG-10

82824-30270, Black, Male

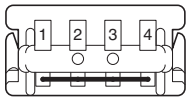


82824-77050, Black, Female



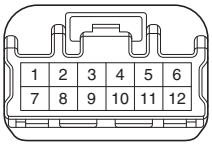
ea504	J/C 040-4P 2
DA	IP-2

82824-37V50, White

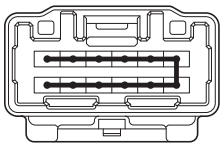


ea507	J/C EARTH RB 1
AC, AF, AK, BH, CE, LB	EG-4, EG-9

90980-12737, White



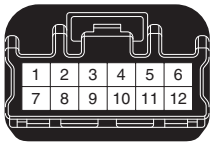
82824-73040, White



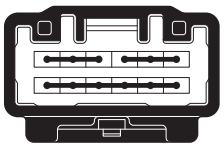


ea508	J/C RB 2
AC, BG, BH, BN	EG-4, EG-9

90980-12737, Black



82824-73030, Black





ELECTRICAL EQUIPMENT CONNECTOR AND JUNCTION CONNECTOR

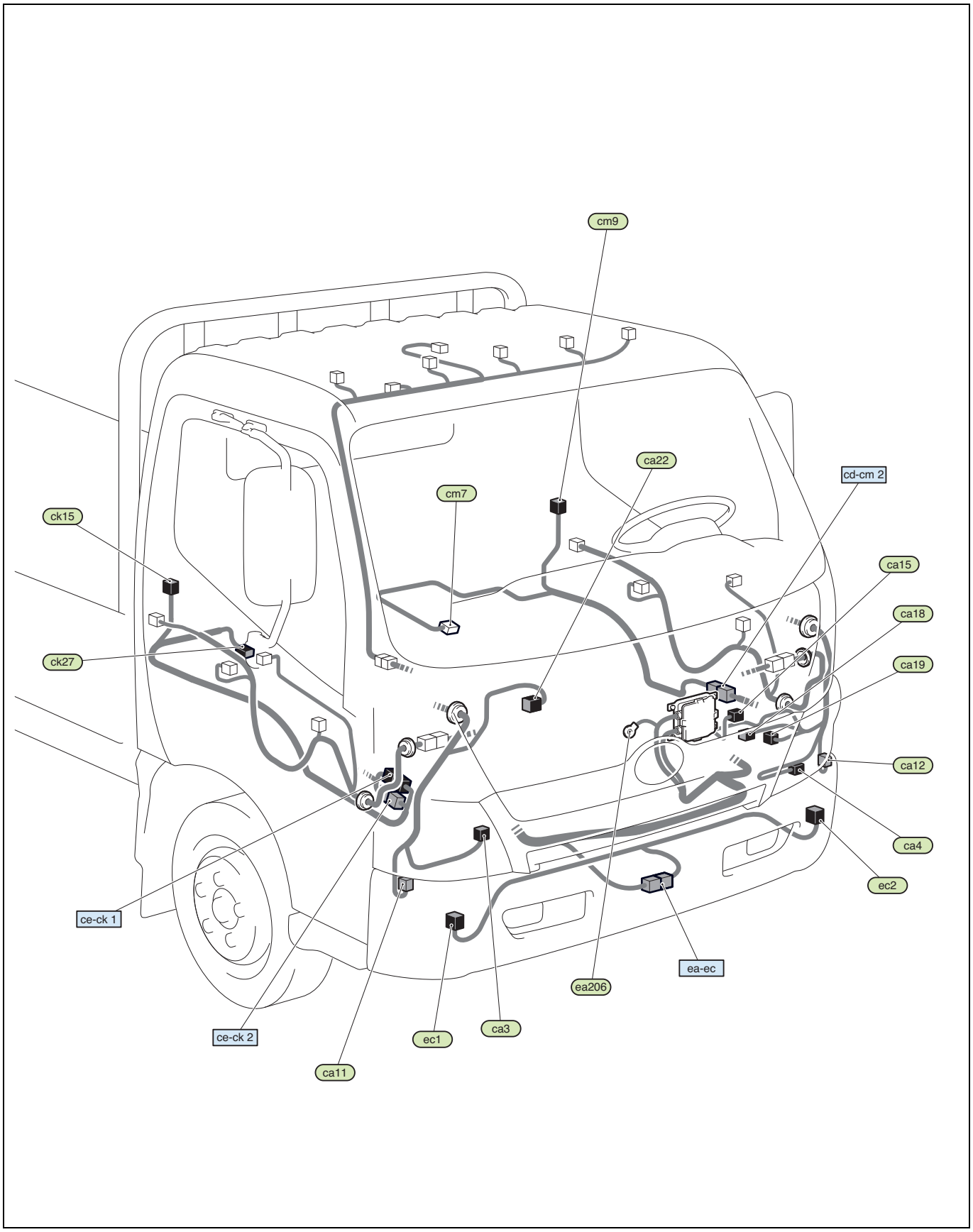
No.	Name	Circuit	No.	Name	Circuit
ca502	J/C 22P 1	EC, ED, GD, GG, GJ, JA	ea802	Stop light diode No.2	GH
ca503	J/C EARTH 1	AF, GD	ea831	J/B 1	AC
cb1	Stop light switch	GH	ea832	J/B2	AC, AK, BG, BI, CC, CE, CF, DA, FF, GG, GH, GJ, GL, LB
cb6	Vacuum sensor No.1	DA	ob1	Blower motor	LB
cb7	Vacuum sensor No.2	DA	ob3	Blower switch	LB
ea501	J/C 22P 1	AC, AK, BG, BI, CE, CF, DA, LB	ob4	Air conditioner switch	LB
ea504	J/C 040-4P 2	DA	ob8	Air conditioner thermostat	LB
ea512	J/C 040-4P 6	AF, FE	r30	HINO Stop&Start system cooler OFF relay	LB
ea801	Stop light diode No.1	GH	r31	HINO Stop&Start system blower relay	LB

WIRE TO WIRE CONNECTOR

No.	Name	No.	Name
ca-cd	Cowl No.1 wiring harness to Instrument panel No.1 wiring harness	cd-ea 2	Instrument panel No.1 wiring harness to Engine room No.1 wiring harness 2
ca-cg	Cowl No.1 wiring harness to Front door LH wiring harness	cd-ea 3	Instrument panel No.1 wiring harness to Engine room No.1 wiring harness 3
cb-cd	Cowl No.2 wiring harness to Instrument panel No.1 wiring harness	cd-ob	Instrument panel No.1 wiring harness to Heater blower wiring harness
cd-ea 1	Instrument panel No.1 wiring harness to Engine room No.1 wiring harness 1	ce-ea	Instrument panel No.2 wiring harness to Engine room No.1 wiring harness

CA-1 [CAB (1 of 2)] (Models: Single cab (Floor / Cowl))

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SHTS22ZZZ0500007

ELECTRICAL EQUIPMENT CONNECTOR AND JUNCTION CONNECTOR

No.	Name	Circuit	No.	Name	Circuit
et11	Engine speed main sensor	BH	eu102	Fuel injection	BH
et12	Engine speed sub sensor	BH	eu103	Air flow meter	BH
et16	Boost pressure sensor	BH	eu107	Oil pressure warning switch	BH
et25	EGR Control	BH	eu109	R/B 1	AH
et28	Common rail pressure sensor	BH	eu110	Alternator	AH
et30	Fuel cut valve	BH	eu111	VNT Control	BH
et36	J/C ENG CAN	BH	eu112	Alternator	AH
et42	Intake manifold temperature sensor	BH	eu113	R/B 2	AH
et44	Exhaust temperature sensor No.1	BH	eu140	Fuel pressure sensor	BH
et45	SCV	BH	ev2	Fuel injector No.1	BH
et46	Fuel temperature sensor	BH	ev3	Fuel injector No.2	BH
et56	Engine ECU No.2	BH	ev4	Fuel injector No.3	BH
et93	J/C ENG CAN 2	BH	ev5	Fuel injector No.4	BH
et94	Coolant temperature sender No.1	BH	ew1	Diesel throttle	BH
et100	EGR Exhaust temperature sensor	BH	ga1	Glow plug No.1	BN
et101	Coolant temperature sender No.2	BH	ga2	Glow plug No.2	BN
et102	Exhaust temperature sensor No.0	BH	ga3	Glow plug No.3	BN
et120	Engine ECU No.3	BG, BH, BN	ga4	Glow plug No.4	BN

WIRE TO WIRE CONNECTOR

No.	Name	No.	Name
ea-et 1	Engine room No.1 wiring harness to Engine No.1 wiring harness 1	et-ew	Engine No.1 wiring harness to Engine No.1 wiring harness
ea-et 2	Engine room No.1 wiring harness to Engine No.1 wiring harness 2	et-ra	Engine No.1 wiring harness to Relay connector wiring harness
ea-eu	Engine room No.1 wiring harness to Engine No.1 wiring harness	eu-ga	Engine No.1 wiring harness to Glow plug wiring harness
et-eu	Engine No.1 wiring harness to Engine No.1 wiring harness	ev-ra	Engine No.1 wiring harness to Relay connector wiring harness

ELECTRICAL EQUIPMENT CONNECTOR AND JUNCTION CONNECTOR

No.	Name	Circuit	No.	Name	Circuit
ea34	HV PCU No.1	AF, AK, AO, CF, FA, GJ	ea862	Heater relay	LB
ea35	HV PCU No.2	CE, CF	ej1	Glow control unit	BG, BN
ea402	Power outlet No.3	GJ	ep1	DEF Sensor	BH, BI
ea403	Power outlet No.4	MA	ep2	Supply module	BI
ea404	PTO Accelerator sensor	BG	ep3	Ambient temperature sensor	BI
ea507	J/C Earth RB 1	AC, AF, AK, BH, CE, LB	ep4	External	BI
ea508	J/C RB 2	AC, BG, BH, BN	ep5	DCU No.2	AO, BH, BI
ea509	J/C RB 3	BH, MA	ep6	DCU No.1	BI
ea856	Starter relay	AK	ep9	J/C DEF SSR	BH
ea861	IG Relay No.5	AC			

WIRE TO WIRE CONNECTOR

No.	Name	No.	Name
cn-ea 1	Frame No.1 wiring harness to Engine room No.1 wiring harness 1	ea-eq	Engine room No.1 wiring harness to Engine No.1 wiring harness
cn-ea 2	Frame No.1 wiring harness to Engine room No.1 wiring harness 2	ea-ta 1	Engine room No.1 wiring harness to Transmission wiring harness 1
ea-eb	Engine room No.1 wiring harness to Engine room No.3 wiring harness	ea-ta 2	Engine room No.1 wiring harness to Transmission wiring harness 2
ea-ee	Engine room No.1 wiring harness to Engine No.2 wiring harness	ea-ta 3	Engine room No.1 wiring harness to Transmission wiring harness 3
ea-ej 1	Engine room No.1 wiring harness to GCU Sub wiring harness 1	ep-eq 1	Engine No.1 wiring harness to Engine No.1 wiring harness 1
ea-ej 2	Engine room No.1 wiring harness to GCU Sub wiring harness 2	ep-eq 2	Engine No.1 wiring harness to Engine No.1 wiring harness 2

	Name	CONNECTOR No.	PART No.	CIRCUIT OR AREA
G	Glow plug No.4	ga4	99141-11005	BN
				EG-2, 7
H	Hazard switch	ce14	90980-12368	GJ
				IP-6
	Headlight (Hi) relay	r24	90987-02027	GA
				IP-4
	Headlight LH	ca4	90980-10228	GD
				CA-1, 3
	Headlight relay No.2	r23	90987-02027	GA
				IP-4
	Headlight RH	ca3	90980-10228	GD
				CA-1, 3
	Heater relay	ea862	90987-04010	LB
				EG-4, 9
	HINO Stop&Start system blower relay	r31	90987-04008	LB
				IP-2
	HINO Stop&Start system cancel switch	ce17	90980-12366	DD
				IP-6
	HINO Stop&Start system cooler OFF relay	r30	90987-04008	LB
				IP-2
	Horn (Lo)	ca15	90980-10619	FD
				CA-1, 3
	Horn switch (SRC)	cd34	90980-12552	DD, FD
				IP-4
	HV Bonding earth No.1	ta201	99141-12008	CE
				EG-8
	HV PCU No.1	ea34	82824-77050	AF, AK, AO, CF, FA, GJ
				EG-9
	HV PCU No.2	ea35	90980-11087	CE, CF
				EG-9
	Hydraulics booster warning switch	oe1	90980-11069	FA
				EG-3, 8
	Hydraulics booster warning switch	ea43	90980-11069	FA
				EG-1, 6